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Award Number: W81XWH-12-2-0124

TITLE: "Group Influences on Young Adult Warfighters' Risk-Taking"

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REPORT DATE: October 2014

TYPE OF REPORT: Annual Progress Report

PREPARED FOR: U.S. Army Medical Research and Materiel Command

Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for Public Release;

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REPORT DOCUMENTATION PAGE		Form Approved OMB No. 0704-0188
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1. REPORT DATE October 2014	2. REPORT TYPE Annual report	3. DATES COVERED 30 Sep 2013 - 29 Sep 2014
4. TITLE AND SUBTITLE  Group Influences on Young Adult Warfighters' Risk-Taking		5a. CONTRACT NUMBER
		5b. GRANT NUMBER W81XWH-12-2-0124
		5c. PROGRAM ELEMENT NUMBER
6. AUTHOR(S)  Laurence Steinberg, Ph.D.  email: lds@temple.edu		5d. PROJECT NUMBER
		5e. TASK NUMBER
		5f. WORK UNIT NUMBER
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)  Temple University  1701 N 13 <sup>th</sup> Street  Philadelphia, Pennsylvania 19122		8. PERFORMING ORGANIZATION REPORT NUMBER
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012		10. SPONSOR/MONITOR'S ACRONYM(S)
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)
12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited		
13. SUPPLEMENTARY NOTES		
14. ABSTRACT  During this research period, we retained local IRB approval of the protocol and related documents. We have completed the first experiment and have begun the second experiment in the study protocol. In the first experiment, we enrolled 120 males tested in the "alone" condition and 102 males tested in the "peer" condition (i.e., in the presence of 3 other observing male subjects). All subjects were adolescent males between 18 and 22 years old. Overall, 528 subjects were enrolled in the first experiment. Data from experiment 1 demonstrate 3 important findings: 1) Peers increase adolescents' sensitivity to rewards, including greater preference for immediate over delayed rewards; 2) Peers increase adolescents' sensitivity to both positive and negative feedback, and thus enhance adolescents' ability to learn from the outcome of their choices; 3) Peers do not make adolescents more impulsive. The second experiment is in progress and we have thus far enrolled 50 male subjects, aged 18-22, tested in the presence of three male 'peer' subjects, two of whom are also 18-22 years old and one of whom is 25-30 years old. Total number of subjects enrolled thus far is 200. Data collection for experiment 2 is in progress.		

<b>15. SUBJECT TERMS</b> subject recruitment, enrollment, IRB approval, active data collection					
<b>16. SECURITY CLASSIFICATION OF:</b>			<b>17. LIMITATION OF ABSTRACT</b>  UU	<b>18. NUMBER OF PAGES</b>  103	<b>19a. NAME OF RESPONSIBLE PERSON</b> USAMRMC
<b>a. REPORT</b> U	<b>b. ABSTRACT</b> U	<b>c. THIS PAGE</b> U			<b>19b. TELEPHONE NUMBER</b> (include area code)

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## **I. Introduction**

The purpose of this research is to study the impact of peers on risk-taking and decision-making among 18-22 year old males who are demographically similar to current warfighters. In experiments 1, we explore peer influences on a set of decision-making tasks that differentially emphasize key processes implicated in risky decision-making. In experiment 2, we investigate whether the inclusion of a single, older team member (aged 25-30) attenuates the peer effect (i.e., young decision-makers' increased inclination toward risk-taking in the presence of peers), and explore whether it is possible to train or condition individuals to be more resistant to peer influence. In experiment 3, we will investigate whether increased levels of mental fatigue, a common element in combat situations, exacerbate the peer effect. Our ultimate interest is in comparing decision-making by individuals acting within groups that are composed in different ways, under varying situational circumstances.

## **II. Body**

### **A. Summary of progress to date**

To date, we have completed experiment 1, which enrolled 202 target participants tested either alone or in a peer group (i.e., with 3 observing participants aged 18-22). Overall, 528 were enrolled in experiment 1. At present, efforts are focused on experiment 2, which entails the recruitment of 100 young subjects tested in the presence of 2 young observers and an older study confederate. We have successfully retained IRB approval of the present protocol, including recruitment methods to advance recruitment efficiency, including flyers, online recruitment tools such as social networks and University recruitment web sites.

### **B. Overview of research tasks**

#### **1. Probabilistic Gambling Task**

This task enables us to systematically examine how decision-making is influenced by the perceived probability of success or failure, by the magnitude of the potential reward or loss, and by the degree of uncertainty inherent in the decision. The task thus allows us to manipulate these three variables systematically (probability, magnitude, and certainty) in order to better understand the task conditions under which the peer effect is more or less potent. In this task, the subject is presented with a computerized picture of a circular “wheel of fortune,” and has been told that the wheel will spin and that he must bet or not bet that the outcome of the spin will result in a gain of points. The circle has been divided into three pie-shaped slices of different widths: green (where the size of the “slice” indicates the likelihood that the outcome of the spin will produce a reward), red (indicating the likelihood that the outcome will produce a loss), or gray (indicating uncertainty in the outcome). The only decision to be made is whether to bet (engage in risk-taking) or pass. The wheel then spins, and it stops on one of the three colors. The result of the spin determines whether

coins are added to or subtracted from the participant's bank. Uncertain spins will have an equal probability of resulting in a gain or loss. We have created pre-determined configurations of green-red-gray slices to examine performance as a function of the likelihood of reward, likelihood of cost, and degree of uncertainty, and will compute outcome measures reflecting the frequency with which the participant chose to bet under these conditions. We are especially interested in the degree to which participants choose to bet when potential costs are high and/or uncertain. In one previous study, we have shown that individuals make riskier choices when with peers than when alone (2).

## **2. Modified Iowa Gambling Task**

The Iowa Gambling Task is a neurocognitive measure that has been extensively used in studies of individuals who persistently engage in risky behavior despite experiencing negative consequences, such as compulsive gamblers or substance abusers. In the original version of the task, participants are presented with four decks of cards, turned face-down, and told that two of the decks are winning decks and two are losing decks. They are then asked to draw cards from the decks so as to maximize their winnings. The task was modified for our purposes, such that participants make a play/pass decision with regard to one of 4 decks pre-selected on each trial, rather than deciding to choose to draw from any of 4 decks on any trial, as in the original task. This modification allows us to determine the independent effects of reward-seeking and cost-avoidance on card selection. For each trial, one of the four decks is highlighted with an arrow, and participants are given 4 seconds in which to decide to play or pass that card. If participants choose to play, a monetary outcome is displayed on the card and the total amount of money earned is updated and appears on the screen. If participants pass on a given card, the image of the card on the screen displays the message "Pass," no outcome information is given, and the total amount of money earned does not change. As in the original task, two of the decks are advantageous and result in a

monetary gain over repeated play. The other two decks are disadvantageous and produce a net loss over repeated play. In addition, within each type of deck (advantageous vs. disadvantageous), there is one deck in which the losses or rewards experienced are infrequent but relatively large, and one in which they are consistent and relatively small. The task is administered in 6 blocks of 20 trials each. Performance is operationalized in three ways: percentage advantageous deck choices (reward-seeking), percentage disadvantageous decks not chosen (cost avoidance), and net score (the difference between the percentage advantageous and disadvantageous decks chosen). Importantly, the percentage of advantageous decks chosen in a given block is *not* contingent upon the percentage of disadvantageous decks avoided, which permits the computation of independent reward-seeking and cost avoidance scores. This task has been used in previous studies as a measure of reward sensitivity, but has not been employed to date in studies of peer influence (3,4).

### **3. Delay Discounting task**

The Delay Discounting task assesses subjective preference for smaller, but more immediate, rewards relative to larger, delayed, rewards. In our adaptation of the task, the amount of the delayed reward was held constant at \$1,000. We vary the time to delay in 6 blocks (1 week, 1 month, 6 months, 1 year, 5 years, and 15 years), presented in a random order. For each block, the starting value of the immediate reward is \$200, \$500, or \$800, randomly determined for each participant. The respondent is asked to choose between an immediate reward of a given amount and a delayed reward of \$1,000. If the immediate reward is preferred, the subsequent question presents an immediate reward midway between the prior one and zero (i.e., a lower figure). If the delayed reward is preferred, the subsequent question presents an immediate reward midway between the prior one and \$1,000 (i.e., a higher figure). Participants then work their way through a total of nine ascending and descending choices until their responses converge and their preference for the



immediate and delayed reward are equal, at a value reflecting the discounted value of the delayed reward, known as the “indifference point.” As is customary in studies using this task, two dependent variables are computed: the average “indifference point” and the discount rate ( $k$ ), (with a lower indifference point and higher discount rate indicating stronger reward sensitivity). This task has been used in previous studies as a measure of preference for immediate reward, which we have shown is intensified in the presence of peers (5-10).

#### **4. First Person Shooter Task**

This task simulates the situation in which an individual must immediately decide whether another person is or is not a threat, by determining whether the object held by the person is a weapon or something that only appears to be a weapon (like a phone). It requires participants to quickly recognize if a person is a “friend” or an “enemy,” according to task instructions. Participants are simply asked to press a button if they see a “friend” on the screen, and another button if they see an “enemy.” The task seeks to examine whether decision making and attention allocation under time constraints influence a person’s ability to respond accurately to relevant stimuli. It is a measure of the impact of time pressure on accurate decision-making. It has not been previously used to examine peer influences on decision making.

#### **5. The Stoplight Game**

The Stoplight Game is a simple driving task in which subjects control the progress of their vehicle along a straight track by deciding whether to brake as they approach a series of intersections, each with a traffic signal that has turned yellow. Participants are told that traveling through the intersection without incident will cost no time, that stopping and waiting for the signal to turn red and cycle back to green will cost some time, and that attempting to cross the intersection

but crashing into a crossing car will cost a great deal of time. Importantly, both the timing of the traffic signals and the probability of a crash in the associated intersections are varied so as to be unpredictable by the participant. Risk-taking (i.e., not braking for the yellow light) is encouraged by offering monetary incentives for completing each course in a timely fashion. Successfully traveling through an intersection saves time, whereas braking and waiting for the signal to turn green wastes time. This task has been used in previous studies as a measure of sensation-seeking, and performance is made more risky by the presence of peers (1).

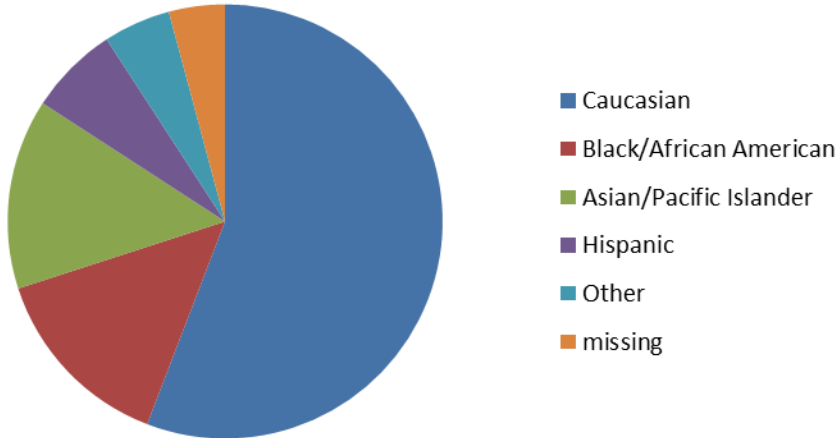
### **Self-Report Measures**

We administer the following self-report measures, which will be used to predict individual differences in susceptibility to the peer effect: Global Assessment Test (GAT) (14); Zuckerman Sensation-Seeking Inventory (15); Barratt Impulsivity Scale (16); Bentlin Risk-Processing Scale (17); Resistance to Peer Influence scale (18), and the NEO-FFI questionnaire (11,12, 13).

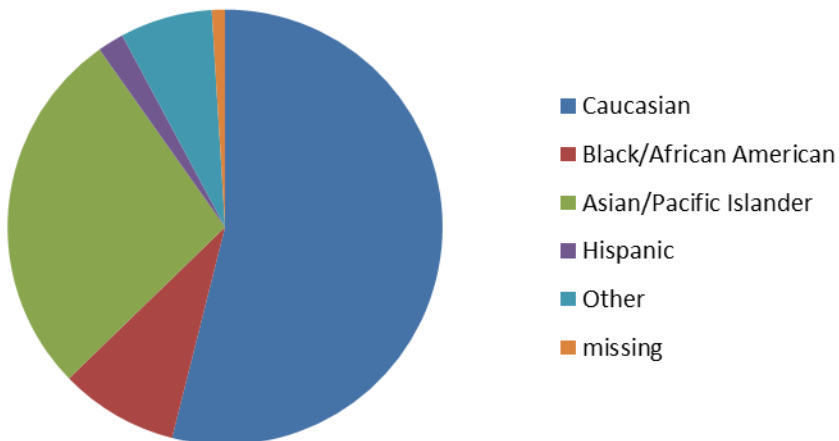
### **C. Recruitment and enrollment**

In experiment 1, we enrolled 120 participants tested in the alone condition and 100 target participants tested in the presence of three other same-sex, same-age individuals. Overall, 528 participants were enrolled. Mean age in experiment 1 was 19.78 years ( $SD=1.25$ ), and the groups (alone vs. main participant in peer group vs. observers) did not differ in age. Below is the racial composition of participants in each condition. In all groups, the majority of participants were Caucasian, followed by the second largest categories, Asian/Pacific Islander and Black/African American. Behavioral data collected during experiment 1 replicates our previous studies and establishes a peer effect. Results from experiment 1 are discussed later in this document, under the section labeled *Reportable Outcomes*.

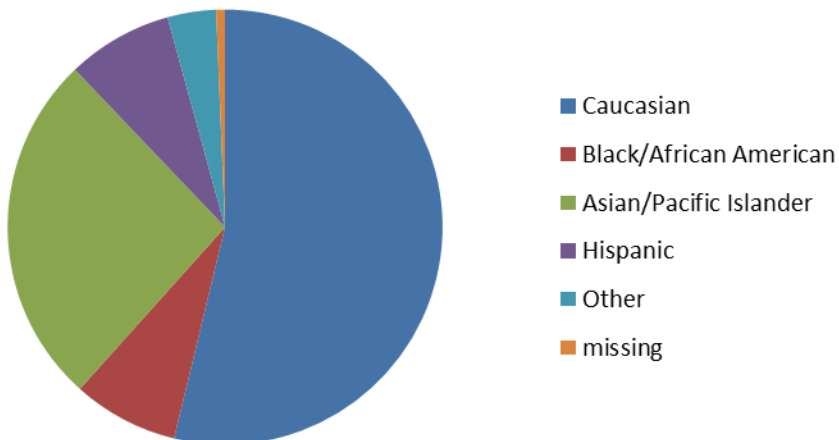
### Alone Condition



### Peer Condition (Experiment 1)



### Observing Peers (Experiment 1)



At this time, recruitment and enrollment efforts are focused on Experiment 2, which involves 100 young participants (aged 18-22 years) tested in a peer group composed of two same-age individuals and one older individual (aged 25-30 years). To this date, we have enrolled a total of 50 peer groups in experiment 2. Data from the first 19 will most likely be disregarded because modifications were made to the recruitment efforts targeting 25-30 year old participants. A description of this implemented medication is provided in the next section.

#### **D. Problem areas and implemented modifications to address issues encountered during the course of this report period**

At the beginning of experiment 2, we were recruiting participants primarily through online sources such as craigslist. The first 76 individuals (or 19 peer groups) enrolled in experiment 2 were recruited using this recruitment strategy. However, we found that a majority of the older individuals we had recruited through these sources were demographically different from the younger participants. Namely, a significant proportion of older participants had lower education than the younger participants. Data from the first 19 peer groups revealed that the mean years of education completed by the older participants was 15.3 years, relative to the 13.4 years of education completed by the younger participants, a majority of whom were current college students. 13.4 years of education is approximate to the start of sophomore year in college, whereas 15.3 years of education is approximate to the beginning of senior year of college, suggesting that many of the 25-30 year old peers enrolled in experiment 2 up to that point did not complete college. In fact, almost half of them (n=8) had completed high school or less. This was indicative of demographic differences between the older peer and other college-aged participants. Because education is oftentimes used as a proxy of social status and experiential maturity, it was necessary to ensure that

all participants were of similar education/socio-economic status. As a result, we implemented a *study confederate scheme*, whereby we have a consistent sample of 8 Temple University graduate students, aged 25 to 30, serve as the older participants in the peer group. The mean number of years of education completed by the study confederates is 18 years, relative to the 13.8 years for the younger participants. The average age among confederates is 26.9 years old ( $SD=1.72$ ). Of the 8 study confederates, two are African-American and the remaining six are Caucasian. Six confederates are married or in a relationship, and two are single. All except one are employed at least half –time.

We have enrolled 31 groups since the implementation of the confederate scheme.

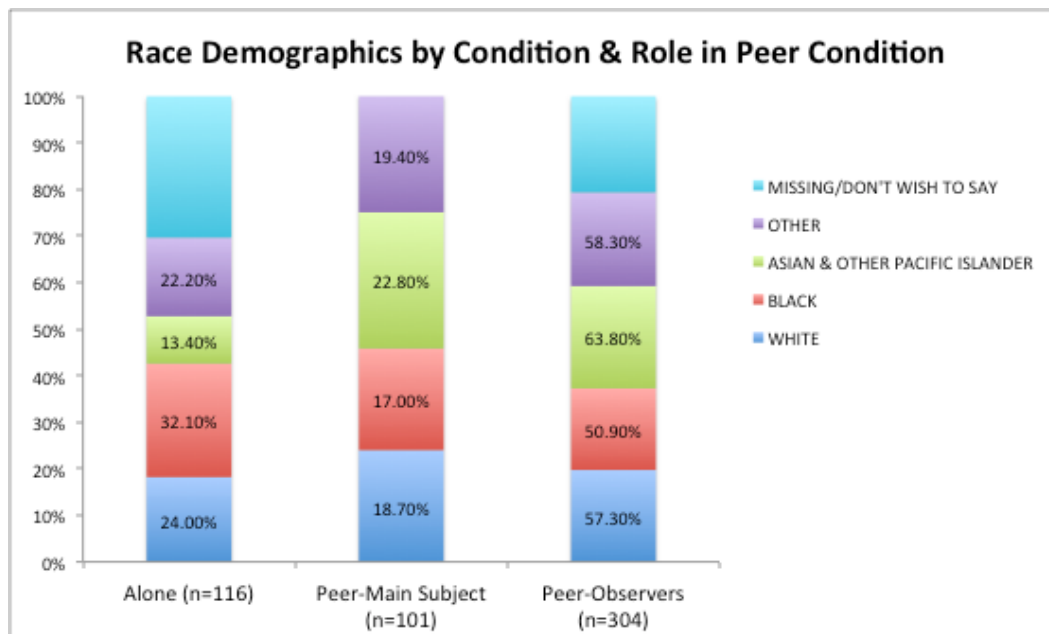
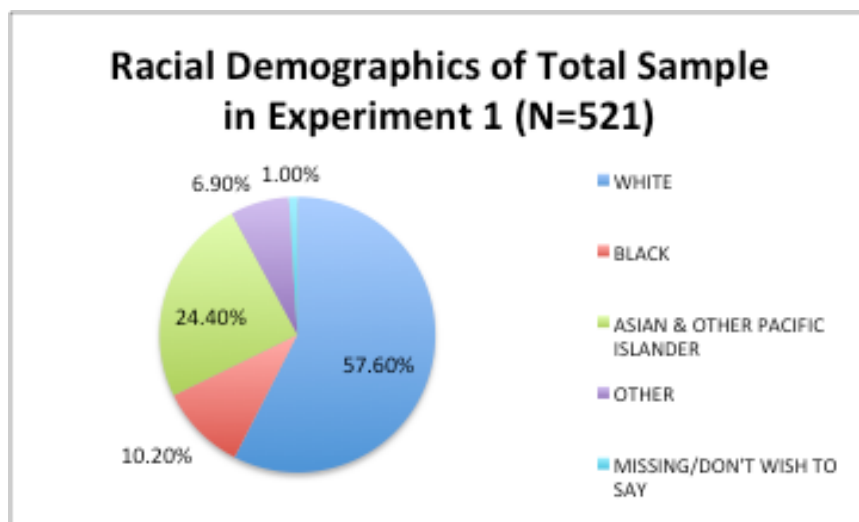
### **III. Key Research accomplishments**

During this reporting period, we have completed experiment 1 and begun experiment 2. Experiment 1 findings replicate previous studies and establish the influence of peers in decision-making (results summarized in next section). In experiment 2, we will test whether the presence of an older individual in the group attenuates the impact of social context on decision-making. We are currently collecting experiment 2 data. Because data collection began only very recently, we have no reportable outcomes from experiment 2 at this time.

## IV. Reportable Outcomes

*Experiment 1.* A total of 528 subjects were enrolled in experiment. Self-report data were collected on 521 of those subjects. Their mean age was 19.8 (SD=1.25), and age did not differ by social context or role within social context (main participant vs. observer). 95% of the subjects were current college students and 43% of them were employed at least part-time. Below are the race demographics of the total sample and by social context.

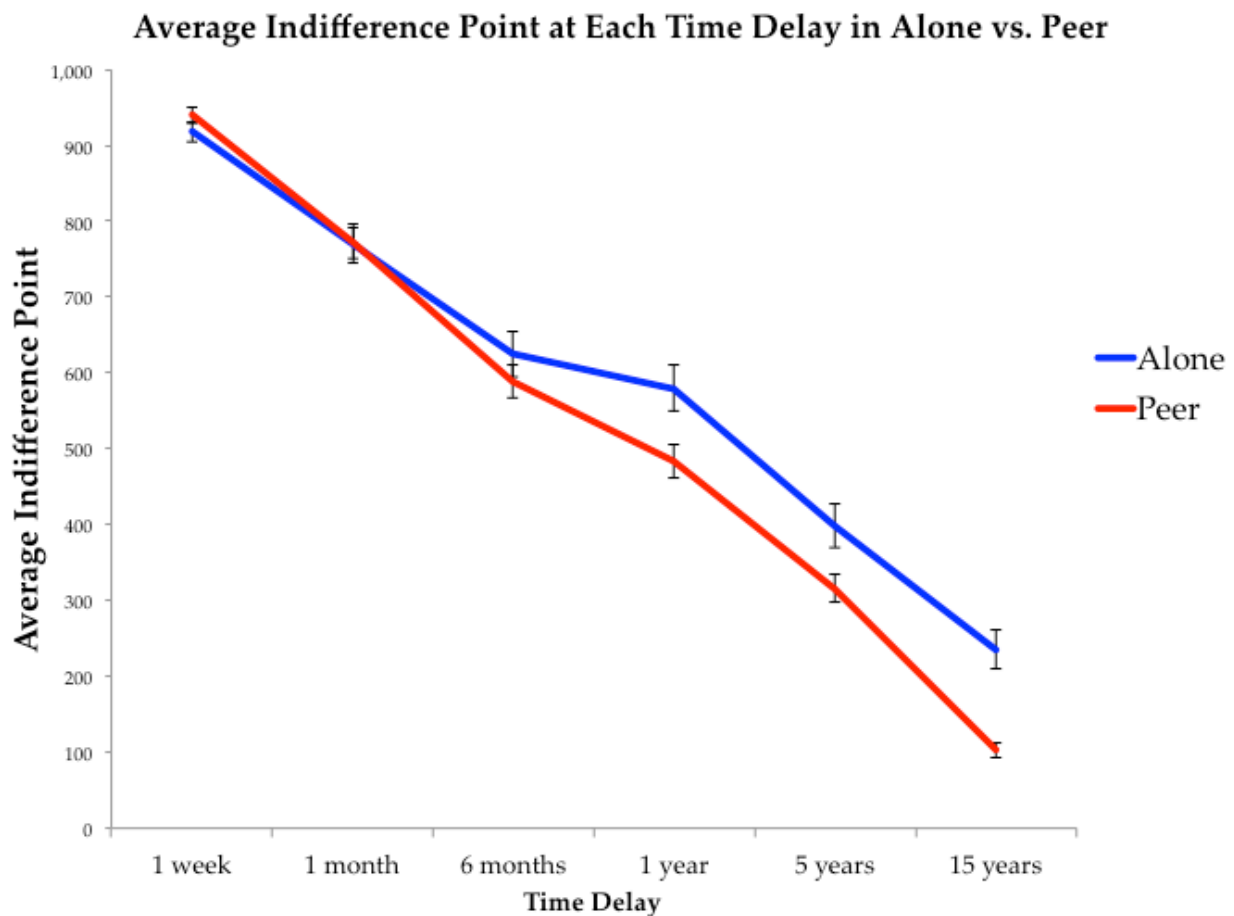
### Experiment 1. Race Demographics



## ***Behavioral Findings From Experiment 1***

### *Delay Discounting Task*

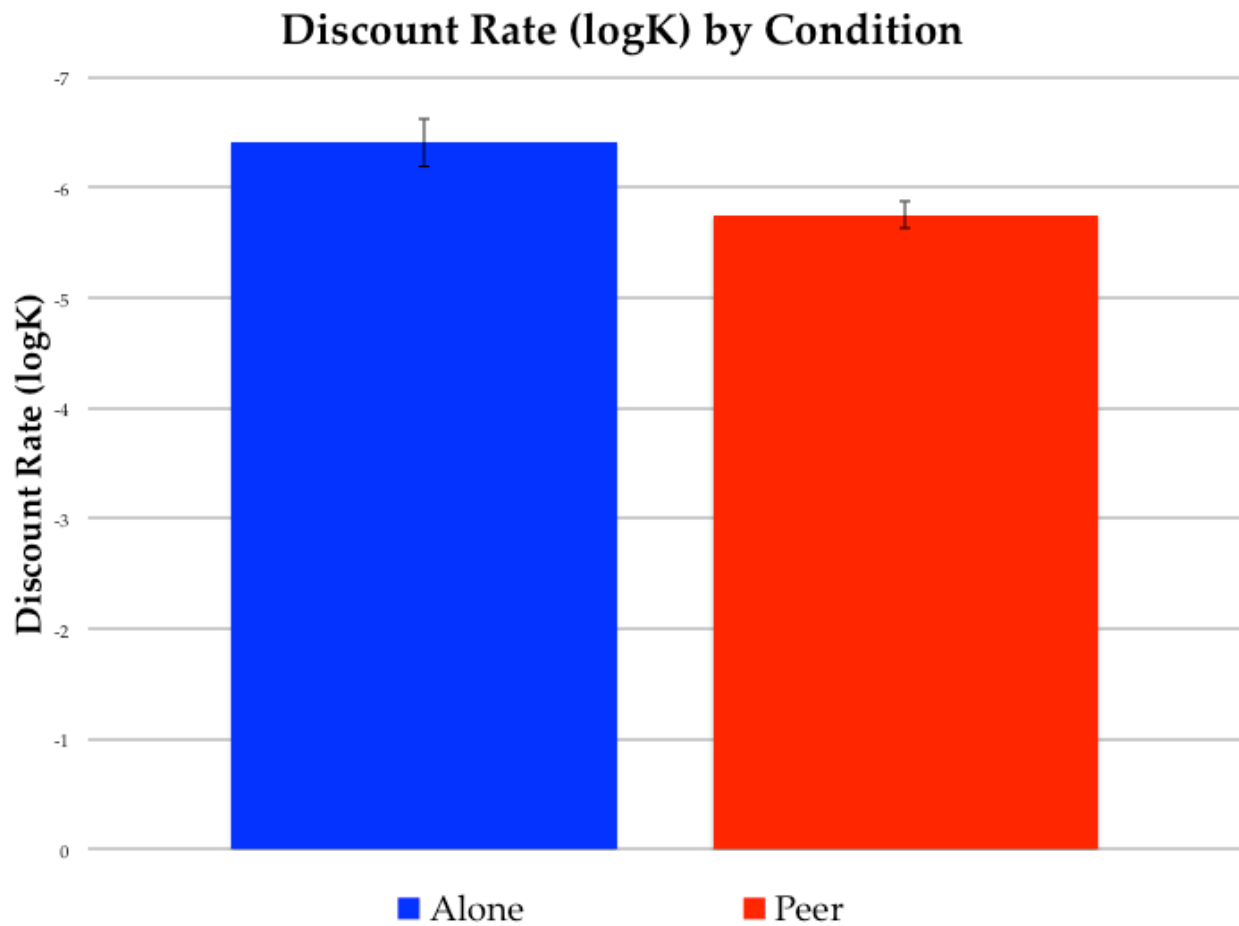
The average indifference point was significantly lower for subjects in the peer condition, compared to alone condition, at time intervals of 1 year or more. This shows that the subjective value of \$1000, if offered at 1 year or later, is significantly lower for participants in the peer condition compared to alone.



Collapsed across all time delays, the average indifference point is significantly lower for the peer condition,  $p < 0.05$ . Moreover, the discounting rate is also significantly lower for the peer condition compared to alone,  $p < 0.05$ , indicating young males have a greater preference for lower, immediate

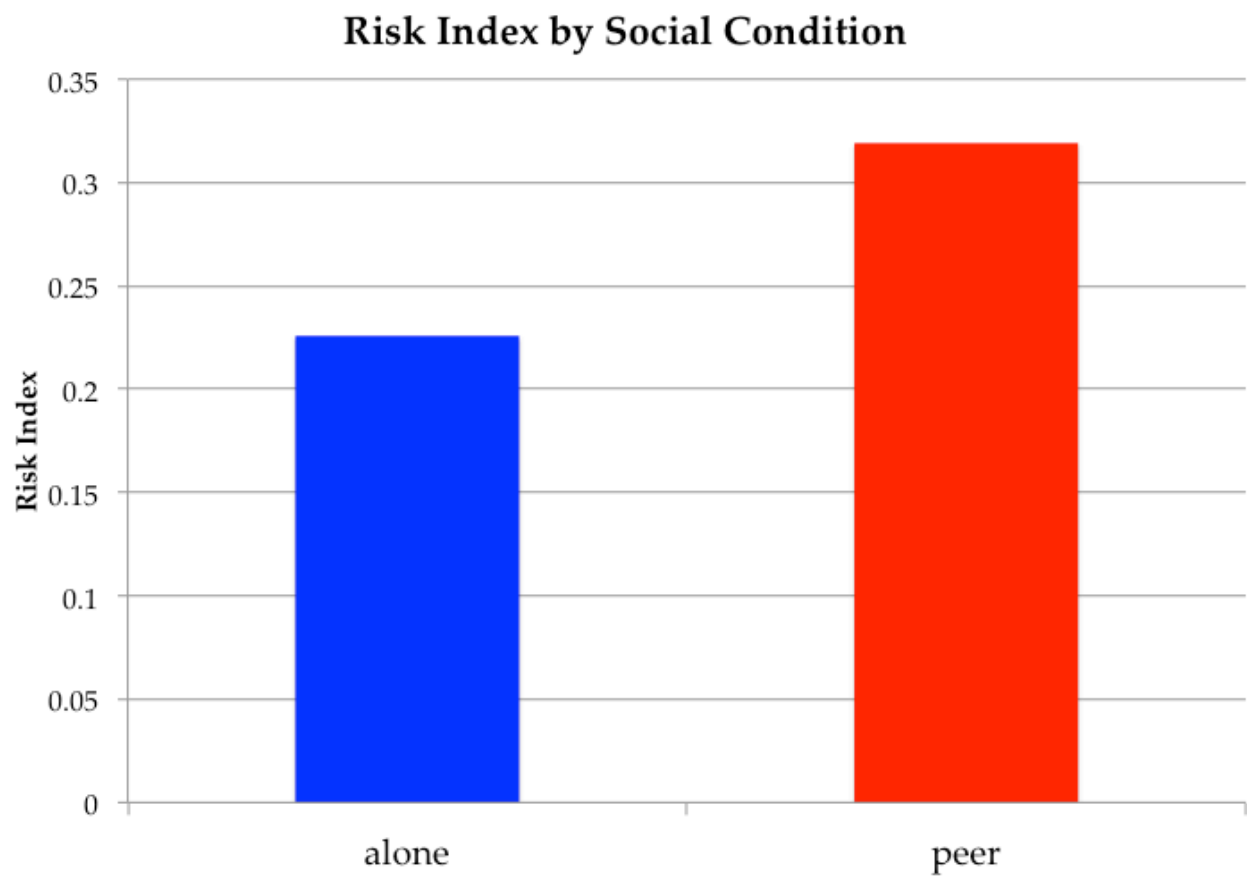
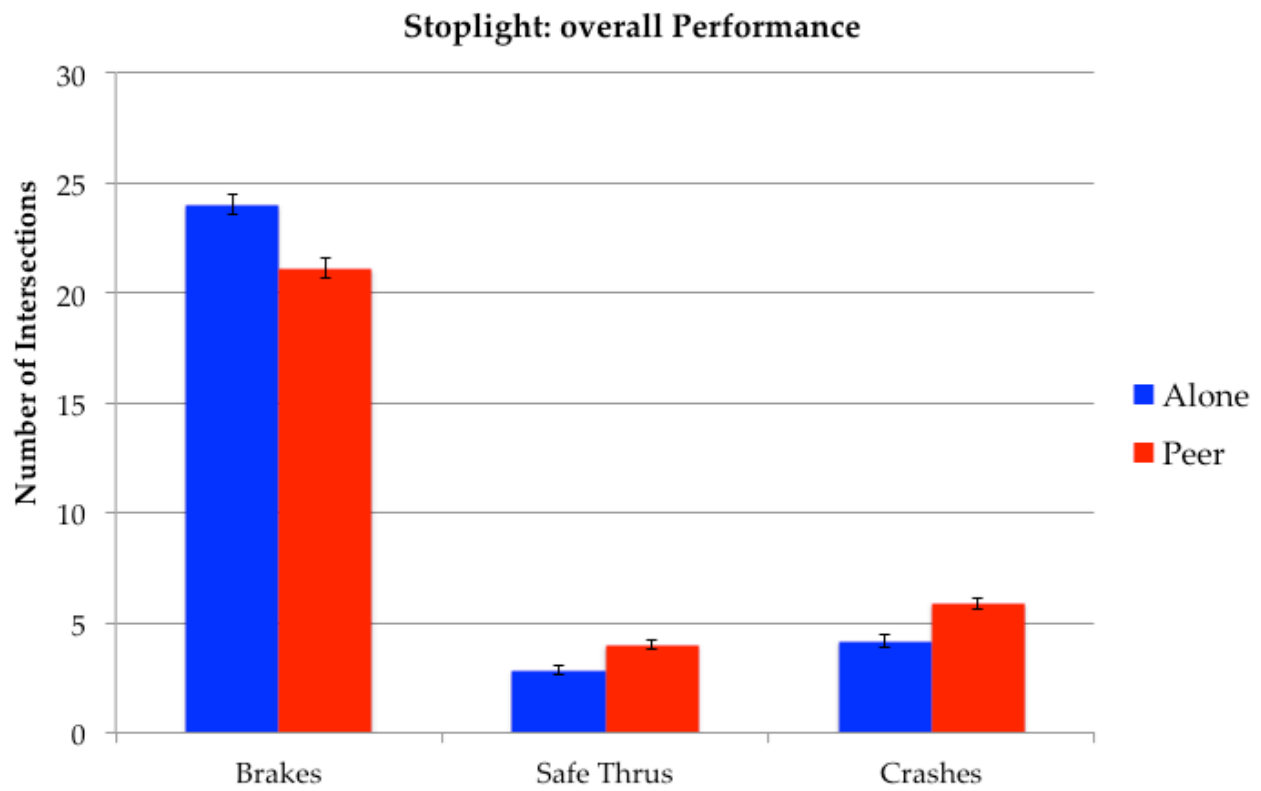


rewards relative to delayed, large rewards when they are surrounded by peers compared to when they are alone.



### *Stoplight Task*

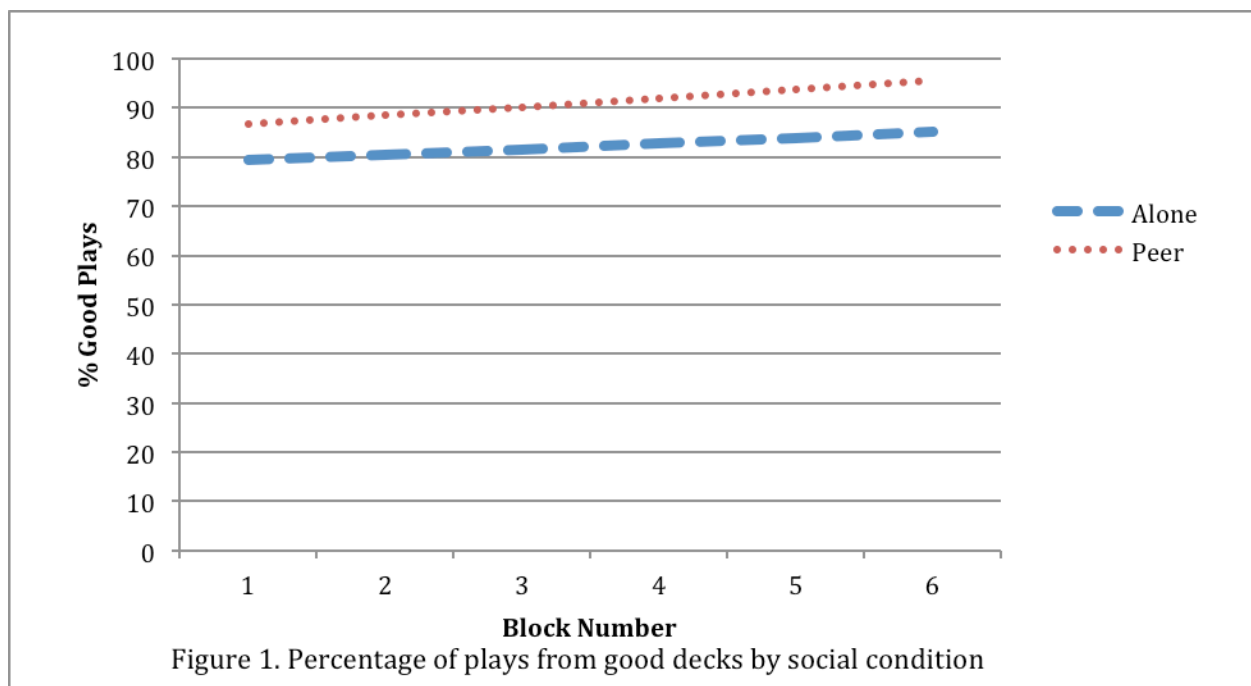
In this task, subjects in the peer group were less likely to brake and more likely to pass thru red lights and crash compared to subjects who completed the task alone,  $p < 0.05$ . Given this behavioral pattern, the risk index is significantly higher for the peer-group condition compared to alone,  $p < 0.001$ . Figures are on the next page.



## *Iowa Gambling Task*

### Approach Behavior

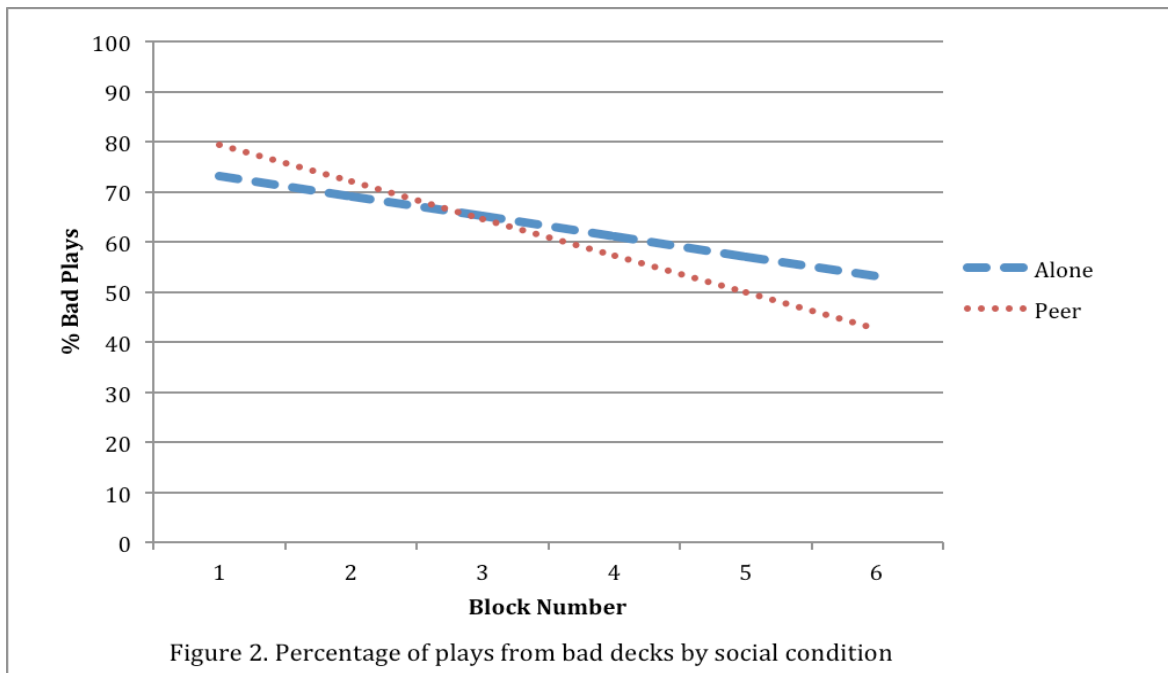
Overall, the average slope was estimated to be positive and significant ( $b=1.19$ ,  $p=0.05$ ), suggesting that any within subject variability in the percentage of plays from good decks can only marginally be attributed to learning over time. Social context had no effect on the slope, meaning that rate of [reward] learning did not differ between participants in the alone vs. peer condition.



Social context had a significant effect on the intercept at Block 6 ( $b=7.348$ ,  $p<0.001$ ), indicating that people in the peer condition made a greater percentage of good plays compared to those in the alone condition. To examine whether there was a ceiling effect in approach behavior for peer-group participants, I re-ran the previous model with the intercepts set at Block 1. This model revealed that males in the peer condition were more likely than those in the alone condition to from play advantageous decks in the first task block, indicating a potential ceiling effect on peer-group participants' performance.

## Avoidant Behavior

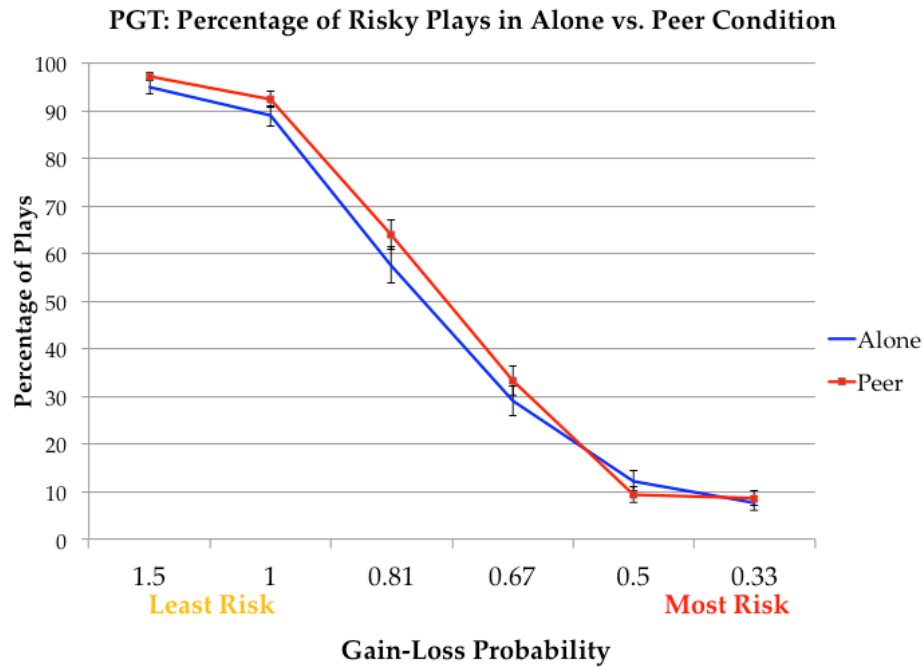
Social context had a significant effect on slope (punishment learning;  $b=-3.35$ ,  $p<0.01$ ), demonstrating that participants in the peer condition had a steeper, downward slope that indicates increasing reluctance to play from the disadvantages decks as the task progressed. Social context also predicted a higher percentage of bad plays for peer condition compared to alone condition by the end of the game (intercept at Block 6).



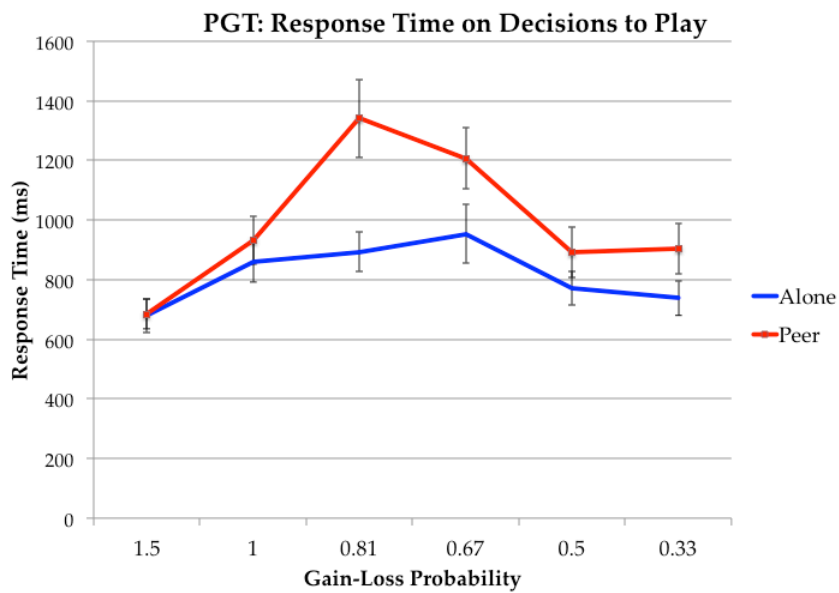
Overall, net scores showed that subjects in the peer condition performed significantly better in IGT compared to subjects in the alone condition.

## Probabilistic Gambling Task

There was no peer effect on risk decisions (i.e., % of risky plays).



There was a peer effect on response time on the two most ambiguous pie types, when the ration of gain-to-loss probability is 0.81 and 0.67.



## **V. Conclusion**

During this reporting period, we were able to complete experiment 1. Overall, data showed that peers increase reward sensitivity using delay discounting and stoplight tasks. In addition, data from IGT showed that peers increase sensitivity to both rewards and loss. Lastly, we found no peer effect in the First Person Shooter Task, suggesting the presence of peers does not make young males more impulsive. We continue to have IRB approval of the present protocol and all protocol-related documentation, including consent forms, questionnaires, and study tasks. We are currently collecting data for experiment 2, and, at this point, only enrolled one-third of the target sample size.

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## VII. Appendices

### RESISTANCE TO PEER INFLUENCE (RPI) QUESTIONNAIRE

	Really True for Me	Sort of True for Me				Sort of True for Me	Really True for Me
1.	<input type="checkbox"/>	<input type="checkbox"/>	Some people go along with their friends just to keep their friends happy	<b>BUT</b>	Other people refuse to go along with what their friends want to do, even though they know it will make their friends unhappy	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	Some people think it is more important to be an individual than to fit in with the crowd	<b>BUT</b>	Other people think it is more important to fit in with the crowd than to stand out as an individual	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	For some people it's pretty easy for their friends to get them to change their mind	<b>BUT</b>	For other people it's pretty hard for their friends to get them to change their mind	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	Some people would do something that they knew was wrong just to stay on their friends' good side	<b>BUT</b>	Other people would not do something that they knew was wrong just to stay on their friends' good side	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>	Some people hide their true opinion from their friends if they think their friends will make fun of them because of it	<b>BUT</b>	Other people will say their true opinion in front of their friends even if they know their friends will make fun of them because of it	<input type="checkbox"/>	<input type="checkbox"/>

6.	<input type="checkbox"/>	<input type="checkbox"/>	Some people will not break the law just because their friends say that they would	<b>BUT</b>	Other people would break the law if their friends said that they would break it	<input type="checkbox"/>	<input type="checkbox"/>
7.	<input type="checkbox"/>	<input type="checkbox"/>	Some people change the way they act so much when they are with their friends that they wonder who they “really are”	<b>BUT</b>	Other people act the same way when they are alone as they do when they are with their friends	<input type="checkbox"/>	<input type="checkbox"/>
8.	<input type="checkbox"/>	<input type="checkbox"/>	Some people take more risks when they are with their friends than they do when they are alone	<b>BUT</b>	Other people act just as risky when they are alone as when they are with their friends	<input type="checkbox"/>	<input type="checkbox"/>
9.	<input type="checkbox"/>	<input type="checkbox"/>	Some people say things they don’t really believe just because they think it will make their friends respect them more	<b>BUT</b>	Other people would not say things they didn’t really believe just to get their friends to respect them more	<input type="checkbox"/>	<input type="checkbox"/>
10.	<input type="checkbox"/>	<input type="checkbox"/>	Some people think it is better to be an individual even if people will be angry at you for going against the crowd	<b>BUT</b>	Other people think it’s better to go along with the crowd than to make people angry at you	<input type="checkbox"/>	<input type="checkbox"/>

**My Personality**

Directions: If you agree with a statement or decide that it describes you, answer TRUE.  
If you disagree with a statement or feel that it is not descriptive of you, answer FALSE.  
Answer every statement either True or False even if you are not entirely sure of your answer.

	TRUE	FALSE
1. I tend to begin a new job without much advance planning on how I will do it.	T	F
2. I usually think about what I am going to do before doing it.	T	F
3. I often do things on impulse.	T	F
4. I very seldom spend much time on the details of planning ahead.	T	F
5. I like to have new and exciting experiences and sensations even if they are a little frightening.	T	F
6. Before I begin a complicated job, I make careful plans.	T	F
7. I would like to take off on a trip with no pre-planned or definite routes or timetable.	T	F
8. I enjoy getting into new situations where you can't predict how things will turn out.	T	F
9. I like doing things just for the thrill of it.	T	F
10. I tend to change interests frequently.	T	F
11. I sometimes like to do things that are a little frightening.	T	F
12. I'll try anything once.	T	F
13. I would like the kind of life where one is on the move and traveling a lot, with lots of change and excitement.	T	F
14. I sometimes do "crazy" things just for fun.	T	F
15. I like to explore a strange city or section of town by myself, even if it means getting lost.	T	F
16. I prefer friends who are excitingly unpredictable.	T	F
17. I often get so carried away by new and exciting things and ideas that I never think of possible complications.	T	F
18. I am an impulsive person.	T	F
19. I like wild and uninhibited parties.	T	F

## Benthin Risk Measure

### ACTIVITIES SCALE

Now I want to talk about different activities that people sometimes do. Here is a list of activities.

Activities:

- Drinking alcohol
- Vandalizing property
- Riding in a car with an intoxicated (drunk) driver
- Smoking cigarettes
- Having unprotected sex
- Stealing from a store
- Getting into a physical fight
- Going into a dangerous part of town
- Threatening or injuring someone with a weapon

I'm going to ask you a few questions about each one of these. (Question 1 is answered for each activity, then question 2, etc.)

The first question is, "If you did this activity, how scary are the things that could happen? I want you to answer using the scale here (point to "Scary" exhibit). See, a "1" means that the things that could happen are "not scary at all." A "2" means that they are "a little scary." A "3" means that they are "pretty scary" and a "4" means that the things that could happen are "very scary."

Let's answer first for drinking alcohol. If you drank alcohol, how scary are the things that could happen?

1. If you did this activity, how scary are the things that could happen?

Risks are <u>not</u> scary at all	Risks are a <u>little</u> scary	Risks are <u>pretty</u> scary	Risks are <u>very</u> scary
1	2	3	4

2. If you did this activity, how much are you at risk for something bad happening?

I would be <u>very much</u> at risk	I would be <u>pretty</u> much at risk	I would be <u>a little bit</u> at risk	I would <u>not</u> be at risk
1	2	3	4

3. How would you compare the benefits (or pleasures) of this activity with the risks?

Risks are much greater than the benefits	Risks are somewhat greater than benefits	Benefits are somewhat greater than risks	Benefits are much greater than risks
1	2	3	4

4. If something bad happened because of this activity, how serious would it be?

<u>Not at all</u> serious	<u>A little</u> serious	<u>Pretty</u> serious	<u>Very</u> serious
1	2	3	4

5. Have you ever done this before?

Yes	No
1	2

5a. If yes, how many times have you engaged in this activity during the last six months?

None	Once or twice	3-5 times	More than 5 times
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## BARRATT IMPULSIVITY MEASURE

DIRECTIONS: People differ in the ways they act and think in different situations.

This is a test to measure some of the ways in which you act and think.

Read each statement and put an X on the appropriate circle on the right side of this page.

Do not spend too much time on any statement. Answer quickly and honestly.

1	2	3	4
Rarely/Never	Occasionally	Often	Almost Always/Always

1 I plan tasks carefully.	1	2	3	4
2 I do things without thinking.	1	2	3	4
3 I make-up my mind quickly.	1	2	3	4
4 I am happy-go-lucky.	1	2	3	4
5 I don't "pay attention."	1	2	3	4
6 I have "racing" thoughts.	1	2	3	4
7 I plan trips well ahead of time.	1	2	3	4
8 I am self controlled.	1	2	3	4
9 I concentrate easily.	1	2	3	4
10 I save regularly.	1	2	3	4
11 I "squirm" at plays or lectures.	1	2	3	4
12 I am a careful thinker.	1	2	3	4
13 I plan for job security.	1	2	3	4
14 I say things without thinking.	1	2	3	4
15 I like to think about complex problems.	1	2	3	4
16 I change jobs.	1	2	3	4

17 I act "on impulse."	1	2	3	4
18 I get easily bored when solving thought problems.	1	2	3	4
19 I act on the spur of the moment.	1	2	3	4
20 I am a steady thinker.	1	2	3	4
21 I change residences.	1	2	3	4
22 I buy things on impulse.	1	2	3	4
23 I can only think about one thing at a time.	1	2	3	4
24 I change hobbies.	1	2	3	4
25 I spend or charge more than I earn.	1	2	3	4
26 I often have extraneous thoughts when thinking.	1	2	3	4
27 I am more interested in the present than the future.	1	2	3	4
28 I am restless at the theater or lectures.	1	2	3	4
29 I like puzzles.	1	2	3	4
30 I am future oriented.	1	2	3	4

**During the past four weeks, how have you felt about your relationship (with significant other/spouse) and your family?**

	Not at all satisfied	Somewh at satisfied	Neutral	Satisfied	Extremely satisfied	Not applicable —No significant other or family
How satisfied are you with your relationship/marriage?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How satisfied are you with your family?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Think about how you have acted in actual situations during the past four weeks. Please answer only in terms of what YOU actually did. Please read carefully. Select a number from 0 to 10 according to how often you showed/used the qualities listed?**

	Never 0	1	2	3	4	5	6	7	8	9	Always 10
Creativity-coming up with new ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Curiosity or interest	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Critical thinking, open-mindedness, or good judgement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Love of learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Perspective or wisdom	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bravery or courage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Persistence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Honesty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Zest or enthusiasm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Love or closeness with others (friends, family members)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kindness or generosity to others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social skills or social awareness or street smarts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Think about how you have acted in actual situations during the past four weeks. Please answer only in terms of what YOU actually did. Please read carefully. Select a number from 0 to 10 according to how often you showed/used the qualities listed?

	Never 0	1	2	3	4	5	6	7	8	9	Always 10
Teamwork	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fairness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leadership	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forgiveness or mercy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Modesty or humility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prudence or caution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self-control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Appreciation of beauty and excellence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gratitude and thankfulness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hope or optimism	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Playfulness or humor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spirituality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How well do these statements describe you?

	Not at all like me	A little like me	Somewhat like me	Mostly like me	Very much like me
I am good at changing myself to adjust to changes in my life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is difficult for me to adjust to changes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can usually fit myself into any situation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For things I cannot change, I accept them and move on.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I control my emotions by changing how I think about things.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When something stresses me out, I try to avoid it or not think about it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

When something stresses me out, I try to solve the problem.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When bad things happen, I try to see the positive sides.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I usually keep my emotions to myself.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When something stresses me out, I have effective ways to deal with it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I am feeling upset, I keep feelings to myself.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Answer in terms of whether the statement describes how you actually live your life.**

	Not at all like me	A little like me	Somewhat like me	Mostly like me	Very much like me
I am a person of dignity and worth.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My life has meaning.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that in some way my life is closely connected to all humanity and the world.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
What I do at school and/or work has enduring meaning.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe there is purpose for my life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Answer in terms of how you usually think.**

	Not at all like me	A little like me	Somewhat like me	Mostly like me	Very much like me
When bad things happen to me, I expect more bad things to happen.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When bad things happen to me, I blame myself for them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have no control over the things that happen to me.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When bad things happen to me, I cannot stop thinking about how much worse things will get.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I have a physical problem, I am likely to think that it is something very serious.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I fail at something, I give up all hope.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I respond to stress by making things worse than they are.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Please be as honest as possible.**

	Never	Hardly ever	Some of the time	Often	Most of the time
How often do you feel left out?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you feel close to people?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often do you feel part of a group?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**How well do these statements describe your feelings about your job? How well do these statements describe your feelings about your job?**

	Not at all like me	A little like me	Somewhat like me	Mostly like me	Very much like me
My education and work are some of the most important things in my life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am committed to my job and my education.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would choose my current choice of careers again if I had the chance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How I do in my job and/or at school influences how I feel.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**How many people are there who you can always count on if you have serious problems?**

- ☐ None
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4 or more

**I have a best friend.**

- ☐ Yes
- ☐ No

**I am very close to my family**

- ☐ Yes
- ☐ No

**I have someone to talk to when I feel down.**

- ☐ Yes
- ☐ No

**I have as much contact with my friends outside work and/or school as I want or need.**

- ☐ Yes
- ☐ No

**I spend time at interests or hobbies other than work and school.**

- ☐ Yes
- ☐ No

**In the past four weeks, how often have you been bothered by any of the following problems?**

	Not at all	Several days	More than half the days	Nearly everyday	Everyday
Little interest or pleasure in doing things.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling down, depressed, or hopeless.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trouble falling or staying asleep, or sleeping too much	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling tired or having little energy.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor appetite or overeating.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling very angry.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling bad about yourself, or that you are a failure, or that you let yourself or your family down.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trouble concentrating on things, such as reading the newspaper or watching television.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling very frustrated.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moving or speaking so slowly that other people could have noticed. Or the opposite—being so fidgety or restless that you have been moving around a lot more than usual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Here are a number of words that describe different feelings and emotions.

**In the past four weeks**, how often have you felt this way?

	Never	Hardly ever	Some of the time	Often	Most of the time
Joyful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Distressed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peaceful/calm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excited	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ashamed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amused/playful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Upset	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inspired	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hopeful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Angry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Guilty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Happy/content	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scared/fearful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bored	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hostile	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Love	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enthusiastic/energized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Proud	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anxious/nervous	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frustrated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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**EDUCATION**

The Johns Hopkins University, Baltimore, Maryland (1970-71) Vassar College, Poughkeepsie, New York (1971-74)  
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**PREVIOUS POSITIONS**

Director, John D. and Catherine T. MacArthur Foundation Research Network on Adolescent Development and Juvenile Justice (1997-2008)  
Director of Graduate Studies, Department of Psychology, Temple University (1994-1999, 2001-2007)  
Director, Division of Developmental Psychology, Department of Psychology, Temple University (1991-94) Professor of Child and Family Studies, University of Wisconsin--Madison (1983-89) Faculty Associate, National Center on Effective Secondary Schools, School of Education, University of Wisconsin--Madison (1985-89) Associate Professor of Social Ecology, University of California, Irvine (1982-83) Faculty Associate, Public Policy Research Organization, University of California, Irvine (1979-83) Associate Director for Undergraduate Studies, Program in Social Ecology, University of California, Irvine  
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**PROFESSIONAL MEMBERSHIPS**

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(vitae revised 9/4/2013)

**EDITORIAL BOARDS**

*Developmental Psychology* (1984-95) *Journal of Youth and Adolescence* (1985-92) *Child Development* (1987-91; 1993-95; Associate Editor, 1995-98) *Journal of Research on Adolescence* (1990-93) *Psychological Bulletin* (1992-93) *Parenting* (2006-2009) *Psychological Science in the Public Interest* (2008-) *Developmental Cognitive Neuroscience* (2009-) *Psychology, Public Policy, and Law* (2012-)

## HONORS AND AWARDS

Phi Beta Kappa and Graduation with Honors and Distinction in Psychology, Vassar College (1974)  
National Science Foundation Graduate Award, Honorable Mention (1975) Cornell University  
Fellowship (1976-1977) Aspen Institute for Humanistic Studies, Participant, Forum on the First  
Twenty Years of Life (1982) Command Performance (Student Initiated Teaching Award), University of  
California, Irvine (1983) Faculty Scholar, William T. Grant Foundation, Program in the Mental Health  
of Children (1983-1988) Fellow, American Psychological Association, Division 7 (Developmental  
Psychology) (elected 1987) Faculty Excellence Award, University of Wisconsin School of Family  
Resources and Consumer Sciences  
Alumni Association (1988) Highest Impact Authors in Psychology, 1986-1990, Institute for Scientific  
Information (1992) Great Teacher Award, Temple University (1994) Scientific Core Group Member,  
John D. and Catherine T. MacArthur Foundation Research Network on  
Psychopathology and Development (1994-2000) Anathan Family Foundation Visiting Professorship,  
Western Psychiatric Institute and Clinic, University of  
Pittsburgh Medical Center (November, 1995) Top Developmental Psychology Authors in Productivity  
and Impact, *Developmental Review* (1995) Matthew Vassar Lecture, Vassar College (1996) Editor's Choice  
for non-fiction, *Booklist* (for *Beyond the Classroom*) (1996) President, Society for Research on Adolescence  
(1998-2000) Visiting Scholar, Institute of Child Development, University of Minnesota (April, 1998)  
Laura H. Carnell Professor of Psychology, Temple University (1998-) Gallagher Lecturer, Society for  
Adolescent Medicine (1999) Distinguished University Professor, Temple University (1999-) Visiting  
Professor of Adolescent Medicine, Morristown Memorial Hospital (December, 1999) 22nd Annual  
Konopka Lecturer, University of Minnesota (2000) John P. Hill Memorial Award for Outstanding  
Contributions to the Study of Adolescence, Society for  
Research on Adolescence (2000) Paul W. Eberman Faculty Research Award, Temple University (2003)  
Invited Master Lecture, Society for Research in Child Development (2003) Urie Bronfenbrenner Award  
for Lifetime Contribution to Developmental Psychology in the Service of  
Science and Society, American Psychological Association (2003) Invited Master Lecture, Italian  
Conference on Developmental Psychology, Associazione Italiana di Psicologia  
(Italian Association of Psychology) (2004) Highly Cited Researcher, Institute for Scientific Information  
(2004-)  
Distinguished Scientist Lecturer, American Psychological Association (2005) Invited address, American  
Psychological Society (2005) Barbara Lemann Memorial Lecture on Emerging Trends in Mental Health,  
Tulane University Health Sciences  
Center (2005) 5th Annual Russell Barkley Lecture, Department of Psychiatry, University of  
Massachusetts Medical School  
(2006) President, Division of Developmental Psychology, American Psychological Association (2007-  
2008) Fellow, World Innovation Foundation (elected 2007) Robert Wood Johnson Foundation Plenary  
Address, Joint Meeting on Adolescent Treatment Effectiveness  
(2007) Invited Plenary Address, Jean Piaget Society (2008) Presidential Citation, American  
Psychological Association (2008) Fellow, Association for Psychological Science (elected 2008) Award  
for Distinguished Contributions to Research in Public Policy, American Psychological Association  
(2009) (citation and biosketch in *American Psychologist*, 2009, November, 737-739). Inaugural Laureate,  
Klaus J. Jacobs Research Prize for Productive Youth Development (2009) Stauffer Award for  
Outstanding Faculty Service, Temple University Alumni Association (2010) Social Policy Book Award,  
Society for Research on Adolescence (for *Rethinking Juvenile Justice*) (2010) Member, John D. and  
Catherine T. MacArthur Foundation Research Network on Law and Neuroscience  
(2011-) Breiland Lecture, University of Illinois School of Social Work (2011) Harrington Distinguished  
Visiting Professor, Baldwin-Wallace College (2011) Henry and Bryna David Lectureship, National



Academy of Sciences, Washington (2011) National Associate, National Research Council, The National Academies (elected 2011) Invited plenary address, American Psychological Association (2012) Invited speaker, Ciudad de las Ideas, Puebla, Mexico (2012) Fellow, American Academy of Arts and Sciences (elected 2013)

## **SELECTED RECENT PROFESSIONAL ACTIVITIES**

Board of Directors, Juvenile Law Center, Philadelphia (2003-2010) Board on Children, Youth, and Families, The National Academies (2005-2008) Invited briefing, U.S. Senate Judiciary Committee (2007) Research Advisory Panel, The National Campaign to Prevent Teen and Unintended Pregnancy (2007-2009) Chair, Committee on the Science of Adolescence, The National Academies (2008-) Scientific Steering Committee, Life Science Gallery, Marian Koshland Science Museum, National Academy of Sciences (2009-2011) National External Advisory Board, University of Virginia Tobacco Research Program (2009-) Invited briefing, U.S. House of Representatives Committee on Education and Labor (2009) National Advisory Commission on Substance Use Among America's High School Students, National Center on Addiction and Substance Abuse at Columbia University (2009-) Lead scientific consultant, Amicus curiae brief filed by the American Psychological Association in U.S. Supreme Court cases: *Roper v. Simmons* (2004), *Sullivan v. State of Florida* (2009) and *Graham v. State of Florida* (2009), *Miller v. Alabama* (2012), *Jackson v. Hobbs* (2012). Faculty Affiliate, University of Chicago Crime Lab (2010-) Advisory Board, The University of Virginia Center to Promote Effective Youth Development (2011-) Board of Directors, Stoneleigh Foundation (2011-) Faculty Affiliate, University of Chicago Urban Education Lab (2011-) NIH Special Emphasis Panel: Basic Research on Self-Regulation (2011) Advisory Board, Duke University Transdisciplinary Prevention Research Center (2011-) Member, MacArthur Foundation Research Network on Law and Neuroscience (2011-) NIDA Special Emphasis Panel: Imaging – Science Track Award for Research Transition (2012) Peer reviewer, NWO Dutch Programme Council for Educational Research (2012) Board of Directors, Policy Institute for Family Impact Seminars, University of Wisconsin, Madison (2012-) Planning Committee for a Workshop on Improving the Health, Safety, and Well-Being of Young Adults, The National Academies (2013-) International advisory board, Consortium on Individual Development, Netherlands Organisation for Scientific Research (NWO) (2013-)

## **BOOKS AND EDITED VOLUMES**

Steinberg, L. (2014). *Adolescence* (10th edition). New York: McGraw-Hill. Steinberg, L. (2011). *You and your adolescent: The essential guide for ages 10 to 25*. New York: Simon & Schuster. Steinberg, L. (2011). *Adolescence* (9th edition). New York: McGraw-Hill. Steinberg, L., Bornstein, M., Vandell, D., & Rook, K. (2011). *Lifespan development*. Belmont, CA: Wadsworth. Steinberg, L., Vandell, D., & Bornstein, M. (2011). *Development: Infancy through adolescence*. Belmont, CA: Wadsworth. (Korean edition: Seoul: Cengage Learning Korea, 2012). Steinberg, L. (Chair). (2011). *The science of adolescent risk-taking*. (Washington: National Academies Press), with members of the Committee on the Science of Adolescence of the Institute of Medicine and the National Research Council. Lerner, R., & Steinberg, L. (Eds.) (2009). *Handbook of adolescent psychology* (3rd edition). New York: Wiley. Steinberg, L. (Ed.) (2008). *The future of children: Juvenile justice, 18(2)*. Scott, E., & Steinberg, L. (2008). *Rethinking juvenile justice*. Cambridge: Harvard University Press. (Paperback

edition: Cambridge: Harvard University Press, 2010). Steinberg, L. (2008). *Adolescence* (8th edition). New York: McGraw-Hill. Steinberg, L. (2005). *Adolescence* (7th edition). New York: McGraw-Hill. (Chinese (simplified) edition, Singapore: McGraw-Hill Education, 2007). (Turkish edition, Istanbul: Haziran, 2007). Lerner, R., & Steinberg, L. (Eds.) (2004). *Handbook of adolescent psychology* (2nd edition). New York: Wiley. Steinberg, L. (2004). *The ten basic principles of good parenting*. New York: Simon & Schuster. (Paperback edition, New York: Simon & Schuster, 2005) (German edition, Düsseldorf: Patmos Verlagshaus, 2005; Brazilian edition, Rio de Janeiro: GMT Editores, 2005; Indonesian edition: Bandung: Kaifa, 2005; Chinese (complex) edition, Taipei: Commonwealth Magazine Co., 2005; Chinese (simplified) edition, Beijing: Peking University Press, 2006; Korean edition, Seoul: Sigma Press, 2006; Portuguese edition, Lisbon: Publicacoes Europa America, 2006; Spanish edition, Barcelona: Ediciones Medici, 2006; Greek edition, Athens: Dioptra Publishing, 2006; Hebrew edition, Israel: Trivaks–Matar Publishing, 2007; German trade paperback edition, Düsseldorf: Patmos, 2008).

Steinberg, L. (2002). *Adolescence* (6th edition). New York: McGraw-Hill. Steinberg, L. (1999). *Adolescence* (5th edition). New York: McGraw-Hill. *Protecting youth at work: Health, safety, and development of working children and adolescents in the United States* (Washington, D.C.: National Academy Press, 1998), with members of the Committee on the Health and Safety Implications of Child Labor of the National Academy of Sciences-National Research Council.

McLoyd, V., & Steinberg, L. (Eds.) (1998). *Studying minority adolescents: Conceptual, methodological, and theoretical issues*. Mahwah, NJ: Erlbaum.

Steinberg, L., & Levine, A. (1997). *You and your adolescent: A parent's guide for ages 10 to 20*. (Revised edition). New York: HarperPerennial.

Steinberg, L. (1996). *Adolescence* (4th edition). New York: McGraw-Hill. Steinberg, L. (in collaboration with B. Brown & S. Dornbusch) (1996). *Beyond the classroom: Why school reform has failed and what parents need to do*. New York: Simon & Schuster. (Paperback edition, New York: Fireside/Simon & Schuster, 1997). Steinberg, L., & Meyer, R. (1995). *Childhood*. New York: McGraw-Hill. Steinberg, L. (with W. Steinberg). (1994). *Crossing paths: How your child's adolescence triggers your own crisis*. New York: Simon & Schuster. (Paperback edition, New York: Fireside/Simon & Schuster, 1995). Steinberg, L. (1993). *Adolescence*. (3rd edition). New York: McGraw-Hill. Steinberg, L., & Belsky, J. (1991). *Infancy, childhood, and adolescence: Development in context*. New York: McGraw-Hill. Steinberg, L., & Levine, A. (1990). *You and your adolescent: A parent's guide for ages 10 to 20*. New York: Harper & Row. (Paperback edition, New York: HarperPerennial, 1991; U.K. edition, London: Ebury Press, 1992). Steinberg, L. (1989). *Adolescence* (2nd edition). New York: Alfred A. Knopf. Steinberg, L. (Ed.). (1987). Sex differences in the family at adolescence. Special issue of the *Journal of Youth and Adolescence*, 16(3). Greenberger, E., & Steinberg, L. (1986). *When teenagers work: The psychological and social costs of adolescent employment*. New York: Basic Books. (Paperback edition, New York: Basic Books, 1988). Steinberg, L. (1985). *Adolescence*. New York: Alfred A. Knopf. Steinberg, L. (Ed.) (1981). *The life cycle: Readings in human development*. New York: Columbia University Press.

## RESEARCH ARTICLES

(\*denotes former or current student or postdoctoral fellow) in press

Cauffman, E.\*, Shulman, E.\*, Bechtold, J., & Steinberg, L. (in press). Children and the law. In R. M. Lerner (Series Ed.) & M. Bornstein & T. Leventhal (Vol. Eds.), *Handbook of child psychology and developmental science: Volume 4: Ecological settings and processes in developmental systems* (7th ed.)

Dmitrieva, J.\*, Gibson, L.\*, Steinberg, L., Piquero, A., & Fagan, J. (in press). Predictors and consequences of gang membership: comparing gang members, gang leaders, and non-gang-affiliated adjudicated youth. *Journal of Research on Adolescence*.

Monahan, K.\*, Guyer, A., Silk, J.\*, Fitzwater, T., & Steinberg, L. (in press). Integration of developmental neuroscience and contextual approaches to the study of adolescent psychopathology. In D. Cicchetti (Ed.), *Handbook of developmental psychopathology* (3rd ed.). New York: Wiley.

Peterman, J.\*, Labelle, D., & Steinberg, L. (in press). Devoutly anxious: The relationship between anxiety and religiosity in adolescence. *Psychology of religion and spirituality*.

Shulman, E.\*, Steinberg, L., & Piquero, A. (in press). A mistaken account of the age-crime curve: Response to Males and Brown (2013). *Journal of Adolescent Research*.

Steinberg, L. (in press). How should the science of adolescent brain development inform legal policy? In J. Bhabha (Ed.), *Coming of age: A new framework for adolescent rights*. Philadelphia: University of Pennsylvania Press.

Steinberg, L. (in press). The neural underpinnings of adolescent risk-taking: The roles of reward-seeking, impulse control and peers. In G. Oettingen & P. Gollwitzer (Eds.), *Self regulation in adolescence*. New York: Cambridge University Press.

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Steinberg, L. (in press). Using scientific research to transform juvenile justice policy and practice: a modest success story and some suggestions for the next four decades. In H. Yoshikawa, L. Forcier, & K. McCartney (Eds.), *Framing the future for America's children: In honor of 40 years of the Children's Defense Fund*. Cambridge: Harvard Education Press.

2013

Albert, D.\*, Chein, J., & Steinberg, L. (2013). The teenage brain: Peer influences on adolescent decision-making. *Current Directions in Psychological Science*, 22, 114-120.

Hampton, A.\*, Drabick, D., & Steinberg, L. (2013). Does IQ moderate the relation between psychopathy and juvenile offending? *Law and Human Behavior*. Available online ahead of publication, June, 2013. DOI: 10.1037/lhb0000036

Logue, S., Chein, J., Gould, T., Holliday, E., & Steinberg, L. (2013). Adolescent mice, unlike adults, consume more alcohol in the presence of peers than alone. *Developmental Science*.

Monahan, K.\*, Steinberg, L., & Cauffman, E.\* (2013). Age differences in the impact of employment on antisocial behavior. *Child Development*, 84, 791-801.

Monahan, K.\*, Steinberg, L., Cauffman, E.\*, & Mulvey, E. (2013). Psychosocial (im)maturity from adolescence to early adulthood: Distinguishing between adolescence-limited and persistent antisocial behavior. *Development and Psychopathology*, 25, 1093-1105.

Shapiro, B.\*, & Steinberg, L. (2013). Emotional reactivity and exposure to household stress in childhood predict psychological problems in adolescence. *Journal of Youth and Adolescence*. Available online ahead of publication, May, 2013. DOI 10.1007/s10964-013-9954-0

Shulman, E.\*, Steinberg, L., & Piquero, A. (2013). The age-crime curve in adolescence and early adulthood is not due to age differences in economic status. *Journal of Youth and Adolescence*, 42, 848-860.

Smith, A.\*, Chein, J., & Steinberg, L. (2013). Impact of socio-emotional context, brain development, and pubertal maturation on adolescent decision-making. *Hormones and Behavior*, 64, 323-332.

Steinberg, L. (2013). Does recent research on adolescent brain development inform the mature minor doctrine? *Journal of Medicine and Philosophy*, 38, 256-267.

Steinberg, L. (2013). The influence of neuroscience on U.S. Supreme Court decisions involving adolescents' criminal culpability. *Nature Reviews Neuroscience*, 14, 513-518.

- Strang, N.\*, Chein, J., & Steinberg, L. (2013). The value of the dual systems model of adolescent risk-taking. *Frontiers in Human Neuroscience*, 7: 223, 1-4. Available online.
- Sweeten, G., Piquero, A., & Steinberg, L. (2013). Age and the explanation of crime, revisited. *Journal of Youth and Adolescence*, 42, 921-938.
- Weigard, A.\*, Chein, J., Albert, D.\*, Smith, A.\*, & Steinberg, L. (2013). Effects of anonymous peer observation on adolescents' preference for immediate rewards. *Developmental Science*, 2012
- Cauffman, E.\*, & Steinberg, L. (2012). Emerging findings from research on adolescent development and juvenile justice. *Victims and Offenders*, 7, 428-449.
- Dmitrieva, J.\*, Monahan, K.\*, Cauffman, E.\*, & Steinberg, L. (2012). Arrested development: The effects of incarceration on the development of psychosocial maturity. *Development and Psychopathology*, 24, 1073- 1090.
- DOI: 10.3389/fnhum.2013.00223
- Bornstein, M. H., Jager, J., & Steinberg, L. (2012). Adolescents, parents, friends/peers: A relationships model.
- In I. Weiner (Ed.), *Handbook of psychology* (2nd ed.), R. M. Lerner, M. A. Easterbrooks, & J. Mistry (Eds.), Volume 6. *Developmental Psychology* (pp. 657-745). New York: Wiley.
- 7
- Morris, A.\*, Cui, L., & Steinberg, L. (2012). Parenting research and themes: What we've learned, and where to go next. In R. Larzelere, A. Morris, & A. Harrist (Eds.), *Authoritative parenting: Synthesizing nurturance and discipline for optimal child development*. Pp. 35-58. Washington, D.C: American Psychological Association.
- Steinberg, L. (2012). Should the science of adolescent brain development inform public policy? *Issues in Science and Technology*, Spring, 67-78.
- 2011
- Albert, D.\*, & Steinberg, L. (2011). Judgment and decision making in adolescence. *Journal of Research on Adolescence*, 21, 211-224.
- Albert, D.\*, & Steinberg, L. (2011). Age differences in strategic planning as indexed by the Tower of London. *Child Development*, 82, 1501-1517. PMID:
- Albert, D.\*, & Steinberg, L. (2011). Peer influences on adolescent risk behavior. In M. Bardo, D. Fishbein, & R. Milich (Eds.), *Inhibitory control and drug abuse prevention: From research to translation*. (Part 3, pp. 211- 226). New York: Springer.
- Burchinal, M., McCartney, K., Steinberg, L., Crosnoe, R., Friedman, S., & McLoyd, V. (2011). Examining the black-white achievement gap using the NICHD study of early child care and youth development. *Child Development*, 82, 1404-1420. PMID:
- Chein, J., Albert, D.\*, O'Brien, L.\*, Uckert, K.\*, & Steinberg, L. (2011). Peers increase adolescent risk taking by enhancing activity in the brain's reward circuitry. *Developmental Science*, 14, F1-F10. PMID: PMC3075496
- Chung, H.\*, Mulvey, E., & Steinberg, L. (2011). Understanding the school outcomes of juvenile offenders: An exploration of neighborhood influences and motivational resources. *Journal of Youth and Adolescence*, 40, 1025-1038. PMID: PMC3059808
- Drabick, D., & Steinberg, L. (2011). Developmental psychopathology. In B. Brown and M. Prinstein (Eds.), *Encyclopedia of adolescence* (Vol. 3). Pp. 136-142. San Diego: Academic Press.
- Goldweber, A., Cauffman, E.\*, Dmitrieva, J.\*, Piquero, A., & Steinberg, L. (2011). The development of criminal style in adolescence and young adulthood: Separating the lemmings from the loners. *Journal of Youth and Adolescence*, 40, 332-346. PMID: PMC3034887

Lee, J.\*, Steinberg, L., Piquero, A., & Knight, G. (2011). Identity-linked perceptions of the police among African American juvenile offenders: A developmental perspective. *Journal of Youth and Adolescence*, 40, 23-37. PMCID: PMC2938040

Lerner, R., Boyd, M., Kiely, M., Napolitano, C., Schmid, K., and Steinberg, L. (2011). The history of the study of adolescence. In B. Brown and M. Prinstein (Eds.). *Encyclopedia of adolescence* (Vol. 1). Pp. 169-176. San Diego: Academic Press.

Maslowsky, J., Buvinger, E., Keating, D., Steinberg, L. & Cauffman, E.\* (2011). Cost-benefit analysis mediation of the relationship between sensation seeking and risk behavior. *Personality and Individual Differences*, PMCID:

Monahan, K.\*, Lee, J.\*, & Steinberg, L. (2011). Revisiting the negative impact of part-time work on adolescent adjustment: Distinguishing between selection and socialization using propensity score matching. *Child Development*, 82, 96-112. PMCID: PMC3059808

Monahan, K.\*, & Steinberg, L. (2011). Accentuation of individual differences in social competence from early childhood to mid-adolescence. *Journal of Research on Adolescence*, 21, 576-585. PMCID:

Morris, A.\*, Silk, J.\*, Morris, M., Steinberg, L., Aucoin, K., & Keyes, A. (2011). The influence of mother– child emotion regulation strategies on children’s expression of anger and sadness. *Developmental Psychology*, 47, 213-225. PMCID: PMC3059808

O’Brien, L.\*, Albert, D.\*, Chein, J., & Steinberg, L. (2011). Adolescents prefer more immediate rewards when in the presence of their peers. *Journal of Research on Adolescence*, 21, 747-753

Steinberg, L. (2011). Parenting the adolescent. In M. Fisher, E. Alderman, R. Kreipe, & W. Rosenfeld (Eds.). *Textbook of adolescent health care*. Elk Grove, IL: American Academy of Pediatrics.

Steinberg, L. (2011). Adolescent risk-taking: A social neuroscience perspective. In E. Amsel & J. Smetana (Eds.), *Adolescent vulnerabilities and opportunities: Constructivist developmental perspectives*. Pp. 41-64. New York: Cambridge University Press.

Steinberg, L. (2011). Adolescents’ risky driving in context. *Journal of Adolescent Health*, 49, 557-558.

Steinberg, L., & Collins, W.A. (2011). Adolescent psychosocial development and behavior. In M. Fisher, E. Alderman, R. Kreipe, & W. Rosenfeld (Eds.). *Textbook of adolescent health care*. Pp. 39-44. Elk Grove, IL: American Academy of Pediatrics.

Steinberg, L., & Monahan, K.\* (2011). Adolescents’ exposure to sexy media does not hasten the initiation of sexual intercourse. *Developmental Psychology*, 47, 562-576. PMCID: PMC3055670

Steinberg, L., & Monahan, K.\* (2011). Premature dissemination of advice undermines our credibility as scientists: Response to Brown (2011) and to Collins, Martino, and Elliot (2011). *Developmental Psychology*, 47, 582-584.

Williams, L.\*, & Steinberg, L. (2011). Reciprocal relations between parenting and adjustment in a sample of juvenile offenders. *Child Development*, 82, 633-645. PMCID: PMC3095990

2010

Belsky, J., Steinberg, L., Houts, R., & Halpern-Felsher, B. (2010). The development of reproductive strategy in females: Maternal harshness predicts earlier menarche and increased sexual risk taking. *Developmental Psychology*, 46, 120-128. PMCID: PMC2863107

Cauffman, E.\*, Shulman, E., Steinberg, L., Claus, E., Banich, M., Graham, S., & Woolard, J. (2010). Age differences in affective decision making as indexed by performance on the Iowa Gambling Task. *Developmental Psychology*, 46, 193-207. PMCID: PMC2863107

Chassin, L., Dmtrieva, J.\*, Modecki, K., Steinberg, L., Cauffman, E.\*, Piquero, A., Knight, G., & Losoya, S. (2010). Does adolescent alcohol and marijuana use predict suppressed growth in psychosocial maturity? *Psychology of Addictive Behaviors*, 24, 48-60. PMCID: PMC284532

Lee, J.\*, Steinberg, L.\*, & Piquero, A. (2010). Ethnic identity and attitudes toward the police among African American juvenile offenders. *Journal of Criminal Justice*. 38, 781–789.

- Loughran, T., Mulvey, E., Schubert, C., Chassin, L., Steinberg, L., Piquero, A., Fagan, J., Cota-Robles, S.\*, Cauffman, E.\*, & Losoya, S. (2010). Differential effects of adult court transfer on juvenile offender recidivism. *Law and Human Behavior*, 34, 476–488. PMCID: PMC2901422
- Morris, A.\*, Silk, J.\*, Steinberg, L., Terranova, A., & Kithakye, M. (2010). Concurrent and longitudinal links between children's externalizing behavior in school and observed anger regulation in the parent-child dyad. *Journal of Psychopathology and Behavioral Assessment*, 32, 48-56.
- Mulvey, E., Steinberg, L., Piquero, A., Besana, M., Fagan, J., Schubert, C., & Cauffman, E.\* (2010). Trajectories of desistance and continuity in antisocial behavior following court adjudication among serious adolescent offenders. *Development and Psychopathology*, 22, 453-475. PMCID: PMC2908904
- Piquero, A., & Steinberg, L. (2010). Public preferences for rehabilitation versus incarceration of juvenile offenders. *Journal of Criminal Justice*, 38, 1-6.
- Roisman, G., Monahan, K.\*, Campbell, S., Steinberg, L., Cauffman, E.\*, & The National Institute of Child Health and Human Development Early Child Care Research Network. (2010). Is adolescence-onset antisocial behavior developmentally normative? *Development and Psychopathology*, 22, 295-311. PMCID: PMC2908904
- Schubert, C., Mulvey, E., Loughran, T., Fagan, J., Chassin, L., Piquero, A., Losoya, S., Steinberg, L., & Cauffman, E.\* (2010). Predicting outcomes for transferred youth: Findings and policy implications. *Law and Human Behavior*, 34, 460–475. PMCID: PMC2845327
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- Scott, E., & Steinberg, L. (2010). Social welfare and fairness in juvenile crime regulation. *Louisiana Law Review*, 71, 35-97.
- Steinberg, L. (2010). A behavioral scientist looks at the science of adolescent brain development. *Brain and Cognition*, 72, 160-164. PMCID: PMC2904973
- Steinberg, L. (2010). A dual systems model of adolescent risk-taking. *Developmental Psychobiology*, 52, 216-224. PMCID: PMC2845347
- Steinberg, L., & Piquero, A. (2010). Manipulating public opinion about trying juveniles as adults: An experimental study. *Crime & Delinquency*, 50, 487-506.
- Susman, E., Houts, R., Halpern-Felsher, B., Steinberg, L., Belsky, J., Cauffman, E.\*, DeHart, G., Friedman, S., Roisman, G., & the NICHD Early Child Care Research Network. (2010). Longitudinal development of secondary sexual characteristics in girls and boys between ages 91/2 and 151/2 years. *Archives of Pediatrics & Adolescent Medicine*, 164, 166-173. PMCID: PMC2863107
- Testa, C.\*, & Steinberg, L. (2010). Depressive symptoms and health-related risk taking. *Suicide and Life-Threatening Behavior*, 40, 298-305.
- Vandell, D., Belsky, J., Burchinal, M., Steinberg, L., Vandergrift, N., & The National Institute of Child Health and Human Development Early Child Care Research Network. (2010). Do effects of early child care extend to age 15 years? *Child Development*, 81, 737-756. PMCID: PMC2938040
- Williams, L.\*, Fox, N., Lejuez, C., Reynolds, E., Henderson, H., Perez-Edgar, K., Steinberg, L., & Pine, D. (2010). Early temperament, propensity for risk-taking and adolescent substance-related problems: A prospective multi-method investigation. *Addictive Behaviors*, 35, 1148-1151. PMCID: PMC3055670
- 2009
- Avenevoli, S.\*, & Steinberg, L. (2009). Continuity of depression across development. In R. Ingram (Ed.), *International encyclopedia of depression*. Pp. 186-188. New York: Springer.
- Blatt-Eisengart, I.\*, Drabick, D., Monahan, K.\*, & Steinberg, L. (2009). Sex differences in the longitudinal relations among family risk factors and childhood externalizing symptoms. *Developmental Psychology*, 45, 491-502. PMCID: PMC2704849

Bornstein, M. H., & Steinberg, L. (2009). The practice of child development research. In R. Shweder, T. Bidell, A. Dailey, S. Dixon, P. Miller, & J. Modell (Eds.). *The child: An encyclopedic companion*. Pp. 833- 836. Chicago: University of Chicago Press.

Lerner, R., & Steinberg, L. (2009). Preface. In R. Lerner and L. Steinberg (Eds.), *Handbook of adolescent psychology* (3rd edition). Vol. 1., pp. xiii-xv. New York: Wiley.

Lerner, R., & Steinberg, L. (2009). The scientific study of adolescence: Past, present, and future. In R. Lerner and L. Steinberg (Eds.), *Handbook of adolescent psychology* (3rd edition). Vol. 1., pp. 3-14. New York: Wiley.

Monahan, K.\*, Steinberg, L., & Cauffman, E.\* (2009). Affiliation with antisocial peers, susceptibility to peer influence, and desistance from antisocial behavior during the transition to adulthood. *Developmental Psychology*, 45, 1520-1530. PMCID: PMC2886974

Monahan, K.\*, Steinberg, L., Cauffman, E.\*, & Mulvey, E. (2009). Trajectories of antisocial behavior and psychosocial maturity from adolescence to young adulthood. *Developmental Psychology*, 45, 1654-1668. PMCID: PMC2886970

Roisman, G., Susman, E., Barnett-Walker, K., Booth-LaForce, C., Owen, M., Belsky, J., Bradley, R., Houts, R., Steinberg, L., & The National Institute of Child Health and Human Development Early Child Care Research Network. (2009). Early family and child care antecedents of awakening cortisol levels in adolescence. *Child Development*, 80, 907-920. PMCID: PMC2791524

Silk, J.\*, & Steinberg, L. (2009). Adolescence and emotion. In D. Sander & K. Scherer (Eds.). *The Oxford companion to the affective sciences*. New York: Oxford University Press.

Steinberg, L. (2009). Adolescent development and juvenile justice. *Annual Review of Clinical Psychology*, 5, 459- 485. PMCID: PMC2704849

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Steinberg, L. (1984). Review of *The serious business of growing up*. E. Medrich, J. Roizen, V. Rubin, and S. Buckley. Berkeley, CA: University of California Press. 1982. Reviewed in *Children and Youth Services Review*.

Steinberg, L. (1982). Review of *Developmental perspectives on child maltreatment*. R. Rizley and D. Cicchetti (Eds.). San Francisco: Jossey-Bass, 1981. Reviewed in *Child Development Abstracts and Bibliography*.

Steinberg, L. (1982). Review of *The adolescent: A psychological self-portrait*. D. Offer, E. Ostrov, and K. Howard. New York: Basic Books, 1981. Reviewed in *Social Casework*.

Steinberg, L. (1980). Review of *Child influences on marital and family interaction: A life-span perspective*.

R.M. Lerner and G.B. Spanier (Eds.). New York: Academic Press, 1978. Reviewed in *Contemporary Sociology*, 9, 545-546.

Steinberg, L., & Green, C. (1979). What parents seek in day care. *Human Ecology Forum*, 10, p. 14 and ff.

## **RESEARCH GRANTS, AWARDS, AND CONTRACTS**

### **Department of Defense, U.S. Army Medical Research and Materiel Command**

Laurence Steinberg (PI), "Group Influences on Young Adult Warfighters' Risk-Taking" (2012-2015)  
(Role: Principal Investigator)

### **National Institute of Child Health and Human Development**

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Jennifer Lansford (PI), "Parenting, Adolescent Self-Regulation, and Risk Taking Across Cultures" (2012-2017) (Role: Co-Investigator)

### **National Institute on Alcohol Abuse and Alcoholism**

Kathryn Harden (PI), "Genetic Influences on Adolescent Decision-Making and Alcohol Use" (2012-2014) (Role: Co-Investigator)

### **National Institute on Drug Abuse**

Jason Chein (PI), "Improving Adolescent Decision Making Through Cognitive Control Training" (2012-2014) (Role: Co-Investigator)

### **MacArthur Foundation Research Network on Law and Neuroscience**

BJ Casey (PI), "Neural and Behavioral Correlates of Age Differences in Psychological Capacities Relevant to Judgments of Criminal Responsibility" (2011-2013) (Role: Co-Principal Investigator)

### **Pennsylvania Department of Health (Health Research Formula Fund Grant)**

Laurence Steinberg (PI), "Social Influences on Alcohol Consumption in Adolescent Versus Adult Mice" (2011-2012) (Role: Principal Investigator)

### **Robert Wood Johnson Foundation (via subcontract from University of Pennsylvania)**

Laurence Steinberg (PI), "Correlates and Consequences of Positive Health in Adolescence" (2011-2013) (Role: Principal Investigator)

**National Institute on Alcohol Abuse and Alcoholism**

Jason Chein (PI), “Combined Effects of Alcohol and Peer Context on Behavior and Neural Correlates of Risk-Taking”

(2011-2016) (Role: Co-Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Models for Change Research Initiative, Phase V” (2010-2013) (Role: Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Elizabeth Cauffman (PI), “Crossroads: Formal versus Informal Processing in the Juvenile Justice System” (2010-2013) (Role: Co-Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Models for Change Research Initiative, Phase IV” (2009-2010) (Role: Principal Investigator)

**Jacobs Foundation**

Klaus J. Jacobs Research Prize in Productive Youth Development (2009-2014) (Role: Inaugural Prize Recipient)

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**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Models for Change Research Initiative, Phase III” (2008-2010) (Role: Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), “Pathways to Desistance: A Prospective Study of Serious Adolescent Offenders, Renewal Proposal”

(2008-2009) (Role: Co-Principal Investigator)

**National Institute of Justice, U.S. Department of Justice**

Edward Mulvey (PI), “Pathways to Desistance” (2008-2010) (Role: Co-Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Models for Change Research Initiative, Phase II” (2007-2009) (Role: Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Models for Change Research Initiative” (2007-2008) (Role: Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), “Pathways to Desistance: A Prospective Study of Serious Adolescent Offenders” (2007-2009) (Role: Co-Principal Investigator)

**Pennsylvania Council on Crime and Delinquency**

Edward Mulvey (PI), “Pathways to Desistance: A Prospective Study of Serious Adolescent Offenders” (2007-2008) (Role: Co-Principal Investigator)

**National Institute of Drug Abuse**

Laurence Steinberg (PI), “Peer Effects on Neural and Behavioral Markers of Risk-Taking” (2006-2010) (Role: Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Continuation of the Pathways to Desistance Study: Renewal Proposal” (2006-2009) (Role: Principal Investigator)

**Pennsylvania Council on Crime and Delinquency**

Edward Mulvey (PI), “A Prospective Study of Serious Adolescent Offenders in Philadelphia” (2006-2007) (Role: Co-Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders, Renewal Proposal" (2006-2007) (Role: Co-Principal Investigator)

**National Institute of Drug Abuse**

Edward Mulvey (PI), "Pathways to Desistance from Substance Use Problems and Crime" (2005-2010) (Role: Co-Principal Investigator)

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**National Institute of Child Health and Human Development**

Laurence Steinberg (PI), "NICHD Study of Early Child Care and Youth Development, Phase IV" (2005-2009) (Role: Principal Investigator)

**Pennsylvania Council on Crime and Delinquency**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders in Philadelphia" (2005-2006) (Role: Co-Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders, Renewal Proposal" (2005-2006) (Role: Co-Principal Investigator)

**Pennsylvania Council on Crime and Delinquency**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders in Philadelphia" (2004-2005) (Role: Co-Principal Investigator)

**National Institute of Mental Health**

Nathan Fox (PI), "The Effects of Early Temperament on Social Behavior in Adolescence" (2004-2007) (Role: Co-Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders, Renewal Proposal" (2004) (Role: Co-Principal Investigator)

**Pennsylvania Council on Crime and Delinquency**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders in Philadelphia" (2003-2004) (Role: Co-Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders, Renewal Proposal" (2003) (Role: Co-Principal Investigator)

**Pennsylvania Council on Crime and Delinquency**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders in Philadelphia" (2002-2003) (Role: Co-Principal Investigator)

**National Institute of Mental Health**

Ronald Dahl (PI), "Affect Regulation and Adolescent Brain Maturation" (2002-2006) (Role: Co-Investigator)

**William T. Grant Foundation**

Edward Mulvey (PI), "A Prospective Study of Serious Adolescent Offenders" (2002-2005) (Role: Co-Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), "Research Network on Adolescent Development and Juvenile Justice" (2002-2007) (Role: Principal Investigator)

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**William Penn Foundation**

Laurence Steinberg (PI), "A Prospective Study of Serious Juvenile Offenders in Philadelphia" (2002-2005) (Role: Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**



Edward Mulvey (PI), “A Prospective Study of Serious Adolescent Offenders, Renewal Proposal” (2001-2002) (Role: Co-Principal Investigator)

**Robert Wood Johnson Foundation**

Edward Mulvey (PI), “A Prospective Study of Serious Adolescent Offenders” (2001-2004) (Role: Co-Principal Investigator)

**William T. Grant Foundation**

Edward Mulvey (PI), “A Prospective Study of Serious Adolescent Offenders” (2001-2004) (Role: Co-Principal Investigator)

**Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice**

Edward Mulvey (PI), “A Prospective Study of Serious Adolescent Offenders, Renewal Proposal” (2000-2001) (Role: Co-Principal Investigator)

**National Institute of Justice, U.S. Department of Justice**

Edward Mulvey (PI), “A Prospective Study of Serious Adolescent Offenders, Renewal Proposal” (2000) (Role: Co-Principal Investigator)

**Open Society Institute, The Soros Foundations**

Laurence Steinberg (PI), “The Competence of Adolescents as Trial Defendants” (1999-2002) (Role: Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Research Network on Adolescent Development and Juvenile Justice” (1999-2001) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Development of Assessment Modules for Middle Childhood, Extension and Supplement,” (1999-2000) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Assessment of Life Stress in Children and Adolescents: Development of the PACE/LEDS” (1999) (Role: Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Research Network on Adolescent Development and Juvenile Justice, Supplement” (1998) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Assessment of Life Stress in Children and Adolescents: Development of the PACE/LEDS” (1998) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Development of a Context Module for Middle Childhood, Supplement” (1998) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Assessment of Life Stress in Children and Adolescents” (1997-1998) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Development of a Context Module for Middle Childhood” (1997-1998) (Role: Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Research Program on Adolescent Development and Juvenile Justice” (1997-1998) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Child and Adolescent Life Events Development” (1996-1997) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Development of a Context Module” (1996-1997) (Role: Principal Investigator)

**John D. and Catherine T. MacArthur Foundation**

Laurence Steinberg (PI), “Adolescent Development and Juvenile Justice: Planning Grant” (1996) (Role: Principal Investigator)

**MacArthur Foundation Research Network on Psychopathology and Development**

Laurence Steinberg (PI), “Adolescent LEDS Collaborative Project” (1995-1996) (Role: Principal Investigator)

**MacArthur Foundation Research Networks on Successful Pathways Through Middle Childhood and on Psychopathology and Development**

Laurence Steinberg (PI), “Establishment of a Joint Task Force on Family Processes” (1995-1996) (Role: Principal Investigator)

**William T. Grant Foundation**

Laurence Steinberg (PI), “Family, Peer, and Community Influences on Psychological Adjustment in Late Adolescence” (1991-1995) (Role: Principal Investigator)

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**Temple University Biomedical Research Fund**

Laurence Steinberg (PI), “Parenting Practices Related to Aggressive and Nonaggressive Rule-Breaking Behavior in Adolescence” (1990) (Role: Principal Investigator)

**The Lilly Endowment**

Laurence Steinberg (PI), “Family, Peer, and Community Influences on Adolescent Achievement” (1990-1993) (Role: Principal Investigator)

**Temple University Research Incentive Fund**

Robert Fauber (PI), “Adolescent Autonomy and Parenting Style” (1989-1990) (Role: Co-Principal Investigator)

**Graduate School Research Committee, University of Wisconsin--Madison**

B. Bradford Brown (PI), “Ethnographic Study of Three High Schools” (1988-1990) (Role: Co-Principal Investigator)

**National Center on Effective Secondary Schools, U.S. Department of Education**

B. Bradford Brown (PI), “Noninstructional Influences on Academic Achievement” (1988-1990) (Role: Co-Principal Investigator)

**William T. Grant Foundation**

Laurence Steinberg (PI), “Adolescent Autonomy and Family Relations” (1987-1988) (Role: Principal Investigator)

**National Center on Effective Secondary Schools, U.S. Department of Education**

B. Bradford Brown (PI), “Noninstructional Influences on Academic Achievement” (1987-1988) (Role: Co-Principal Investigator)

**Graduate School Research Committee, University of Wisconsin**

Laurence Steinberg (PI), “Family Transitions During Adolescence,” (1986-1987) (Role: Principal Investigator)

**National Center on Effective Secondary Schools, U.S. Department of Education**

Laurence Steinberg (PI), “Student Achievement and Responsibility” (1985-1986) (Role: Principal Investigator)

**Graduate School Research Committee, University of Wisconsin**

Laurence Steinberg (PI), “Changes in Family Relations During Adolescence” (1984-1985) (Role: Principal Investigator)

**William T. Grant Foundation**

Laurence Steinberg (PI) “Faculty Scholars Award” (1983-1988) (Role: Principal Investigator)

**University of California Focused Research Program**

Ellen Greenberger (PI) “Early Work Experience and Adolescent Stress” (1979-1982) (Role: Co-Principal Investigator)

**The Ford Foundation**

Ellen Greenberger (PI), “Early Adolescents at Work: Dissemination of Findings to National and International Policy-Makers”

(1979-1982) (Role: Co-Principal Investigator)

**The Spencer Foundation**

Ellen Greenberger (PI), “Early Adolescents at Work: Effects of Part-Time Employment on Family Relations, Peer Relations, and Psychosocial Development”

(1979-1982) (Role: Co-Principal Investigator)

**National Institute of Education**

Ellen Greenberger (PI), “Early Adolescents at Work: Costs and Benefits to Learning and Social Development”

(1979-1981) (Role: Co-Principal Investigator)

**National Institute of Education**

Ellen Greenberger (PI), “Early Adolescents at Work: Effects of Part-Time Employment on Literacy and Maturity”

(1978-1979) (Role: Co-Principal Investigator)

**Committee on Instructional Development, University of California**

Laurence Steinberg (PI), “Development of Instructional Materials for ‘Human Development over the Life

(1978)

Cycle’.”

(Role: Principal Investigator)

**College of Human Ecology, Cornell University**

Laurence Steinberg (PI), “A Longitudinal Study of Physical Growth, Intellectual Growth, and Family Interaction in Early Adolescence”

(1977) (Role: Principal Investigator)

**COLLOQUIA, CONFERENCE PRESENTATIONS, AND INVITED ADDRESSES**

Gubman, E., & Steinberg, L. (March, 1976). Regarding research: Ask any grandmother. Paper presented at the annual meeting of the Groves Conference on Marriage and the Family, Kansas City, Missouri.

Steinberg, L., & Hill, J. (April, 1977). Family interaction in early adolescence. Paper presented at the Biennial Meeting of the Society for Research in Child Development, New Orleans.

Steinberg, L. (August, 1977). Research in the ecology of adolescent development: A longitudinal study of the impact of physical maturation on changes in the family system in early adolescence. Paper

presented at the Foundation for Child Development conference on Research Perspectives in the Ecology of Human Development, Ithaca, New York.

Steinberg, L. (March, 1978). Changes in family relationships at adolescence: A developmental perspective. Paper presented at the Arizona Symposium on Families and Adolescents: Toward a Practical Understanding, Tucson, Arizona.

Invited participant, Foundation for Child Development Conference on Work as a Context for Human Development, Palo Alto, California, November, 1978.

Steinberg, L., & Green, C. (April, 1979). How parents may mediate the effects of day care. Paper presented at the Biennial Meeting of the Society for Research in Child Development, San Francisco.

Steinberg, L. (April, 1979). Changes in family relations at puberty. Paper presented as a part of a symposium entitled "Psychological Correlates of Pubertal Changes" at the Biennial Meeting of the Society for Research in Child Development, San Francisco.

Invited speaker, National Institute of Education, Washington, March, 1979. Steinberg, L., &

Greenberger, E. (April, 1979). Part-time employment during high school: Some costs and benefits to schooling and learning. Paper presented as a part of a symposium entitled "*Youth: Transition to Adulthood* Reconsidered: The Place of Work in the Education of Adolescents" at the annual meeting of the American Educational Research Association, Boston.

Steinberg, L., & Greenberger, E. (June, 1979). Continuities and discontinuities in occupational development: The nature and effects of early adolescent work. Paper presented at the Biennial Conference of the International Society for the Study of Behavioural Development, Lund, Sweden.

Greenberger, E., Steinberg, L., & Vaux, A. (April, 1980). Adolescents in the workplace: Effects of part-time employment on family and peer relations. Paper presented at the meeting of the Western Psychological Association, Honolulu.

Steinberg, L., Greenberger, E., & Garduque, L. (April, 1980). Part-time employment during adolescence: Costs and benefits to schooling and learning. Paper presented at the meeting of the Western Psychological Association, Honolulu.

Invited discussant, Symposium on Maternal Stress, Western Psychological Association, Honolulu, April, 1980.

Invited speaker, National Center for Vocational Education, Ohio State University, May, 1980.

Steinberg, L., Greenberger, E., & Garduque, L. (August, 1980). Adolescent learning and intellectual development: The contribution of work. Paper presented at the annual meeting of the American Psychological Association, Montreal. Steinberg, L., & Greenberger, E. (April, 1981). Is work experience valuable? Some unanswered questions.

Paper presented as a part of a symposium entitled "Evaluating School-to-Work Transition Models" at the annual meeting of the American Educational Research Association, Los Angeles. Steinberg, L. (April, 1981). (Chair). Working: Effects of early work experience on adolescent development.

Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Boston. Steinberg, L., Catalano, R., & Dooley, D. (April, 1981). Economic antecedents of child maltreatment. Paper

presented at the Biennial Meeting of the Society for Research in Child Development, Boston.

Greenberger, E., & Steinberg, L. (August, 1981). Part-time employment of youth during high school. Paper

presented as a part of a symposium entitled "Youth and Work in Cross-Cultural Perspective" at the annual meeting of the American Anthropological Association, Los Angeles. Greenberger, E., & Steinberg, L. (August, 1981). The workplace as a context for the socialization of youth.

Paper presented at the annual meeting of the American Psychological Association, Los Angeles. Invited speaker, Bush Foundation Program in Child Development and Social Policy, UCLA, September,

1981. Invited speaker, College of Human Development, Pennsylvania State University, November, 1981. Invited participant, Aspen Institute for Humanistic Studies, Forum on the First Twenty Years of Life, Aspen, Colorado, July, 1982. Greenberger, E., & Steinberg, L. (1982). Invited testimony on proposed changes in child labor regulations. Hearings of the House Subcommittee on Labor Standards, United States House of Representatives, Washington (co-authored testimony presented by E. Greenberger). Invited participant, Social Science Research Council, Committee on Child Development in Life-Span Perspective, Conference on "Winning and Losing," Santa Barbara, California, December, 1983. Steinberg, L. (March, 1985). The ABCs of transformations in family relations at adolescence: Changes in affect, behavior, and cognition. Invited paper presented at the Third Biennial Conference on Adolescence Research, Tucson.

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Steinberg, L. (April, 1985). Emotional autonomy in early adolescence. Paper presented as a part of a symposium entitled "Parent-Child Relations in the Transition to Adolescence: Family Adaptations to Developmental Change," at the biennial meetings of the Society for Research in Child Development, Toronto.

Steinberg, L., & Greenberger, E. (July, 1985). The changing ecology of adolescent development. Invited presentation as a part of a symposium entitled "Adolescent Development in Context" at the annual meeting of the International Society for the Study of Behavioural Development, Tours, France, July, 1985.

Co-organizer, Symposium on "Youth Employment and Unemployment" at the annual meeting of the International Society for the Study of Behavioural Development, Tours, France, July, 1985.

Steinberg, L., & Silverberg, S. (August, 1985). Emotional autonomy during early adolescence. Paper presented as a part of a symposium entitled "Family Factors in Adolescent Development: Recent Research" at the annual meeting of the American Psychological Association, Los Angeles.

Invited colloquium, Department of Human Development and Family Studies, Cornell University, December, 1985.

Steinberg, L. (March, 1986). Recent research in adolescent development. Invited workshop at the annual meeting of the Society for Adolescent Medicine, Boston.

Silverberg, S., & Steinberg, L. (March, 1986). Adolescent individuation and adult identity. Paper presented at the biennial meeting of the Society for Research on Adolescence, Madison, Wisconsin. Invited participant, National Invitational Conference on the Health Futures of Adolescents. Daytona Beach, Florida, April, 1986.

Steinberg, L. (October, 1986). Parents, neglectful and neglected. Invited address presented at the Pennsylvania Juvenile Court Judges Seminar, National Center for Juvenile Justice, Hershey, Pennsylvania.

Steinberg, L. (November, 1986). An evolutionary perspective on parent-adolescent conflict. Invited paper presented at a symposium entitled "In Search of Man," Temple University Medical School.

Steinberg, L. (April, 1987). Pubertal status, hormonal levels, and family relations: The distancing hypothesis. Paper presented as a part of a symposium entitled "Hormone Status at Puberty: Consequences for Adolescents and Their Families" at the biennial meeting of the Society for Research in Child Development, Baltimore.

Steinberg, L. (April, 1987). Emotional autonomy, parental permissiveness, and adolescents' susceptibility to antisocial peer pressure. Paper presented as a part of a symposium entitled "Family and Peer Influences on Adolescent Problem Behavior" at the biennial meeting of the Society for Research in Child Development, Baltimore.

Invited keynote address, Empire State Organization of Youth Employment Services 9th Annual Conference, "Tipping the Balance for Youth at Risk: Employment Blueprints for the 21st Century," Syracuse, New York, June, 1987.

Invited speaker, Joint Faculty Development Day, Puget Sound Community Colleges, Seattle, September, 1987.

Steinberg, L. (November, 1987). New and old knowledge about old and new families. Invited keynote address, Grantmakers for Children and Youth Conference, San Francisco, November, 1987.

Steinberg, L. (November, 1987). Reciprocal relation between marital happiness and child development among midlife parents of teenagers. Paper presented as a part of an invited symposium entitled "Marriage, Parenting, and Child Development: Reciprocal Relationships" at the annual meeting of the National Council on Family Relations, Atlanta.

Invited colloquium, Department of Psychology, Stanford University, January, 1988. Invited colloquium, Stanford Center for the Study of Families, Children, and Youth, January, 1988. Invited speaker, Department of Psychology, Southern Illinois University at Edwardsville, January, 1988.

Discussant, "Hormone Contributions to Adolescent Behavior." Symposium presented at the biennial meetings of the Society for Research on Adolescence, Alexandria, Virginia, March, 1988.

Steinberg, L., & Elmen, J. (March, 1988). Authoritative parenting and school success. Paper presented as a part of a symposium entitled "Noninstructional Influences on Adolescents' School Achievement: An Ecological Approach," at the biennial meetings of the Society for Research on Adolescence, Alexandria, Virginia.

Elmen, J., & Steinberg, L. (March, 1988). Achievement orientation in early adolescence: Social correlates and developmental patterns. Paper presented at the biennial meetings of the Society for Research on Adolescence, Alexandria, Virginia.

Invited lecture, Laboratory for the Study of Adolescence, Department of Psychiatry, Michael Reese Hospital and the Committee on Human Development, University of Chicago, May, 1988.

Invited speaker, Workshop on Supporting Families with Adolescents. Carnegie Council on Adolescent Development, Washington, September, 1988.

Invited symposium, Institute of Child Development, Department of Pediatrics, Robert Wood Johnson Medical School, New Brunswick, New Jersey, October, 1988.

Invited speaker, National Council for Families and Television. Studio City, California, December, 1988.

Steinberg, L. (March, 1989). Parenting adolescent achievers: When families make a difference (and when they don't). Paper presented as a part of a symposium entitled "The Ecology of Student Achievement in High Schools: Noninstructional Influences" at the annual meetings of the American Educational Research Association, San Francisco.

Steinberg, L., & Brown, B. (March, 1989). Beyond the classroom: Family and peer influences on high school achievement. Invited paper presented to the Families as Educators special interest group at the annual meetings of the American Educational Research Association, San Francisco.

Lamborn, S., Brown, B., & Steinberg, L. (March, 1989). The social contexts of adolescence: Influences on student engagement. Paper presented as a part of a symposium entitled "Student Engagement in High Schools" at the annual meetings of the American Educational Research Association, San Francisco.

Speaker, John P. Hill Memorial Symposium. Biennial meetings of the Society for Research in Child Development, Kansas City, April, 1989.

Mounts, N., Lamborn, S., & Steinberg, L. (April, 1989). Relations between family process and school achievement in different ethnic contexts. Paper presented as a part of a symposium entitled "Ethnic Comparisons of Parent and Peer Influences on Adolescent Development," at the biennial meetings of the Society for Research in Child Development, Kansas City.

Invited speaker, 40th Annual Conference of the Council on Foundations, Toronto, April, 1989. Invited colloquium, Russell Sage Foundation, New York, June, 1989. Bogenschneider, K., & Steinberg, L. (August, 1989). Maternal employment and adolescent achievement: A process model. Paper presented as a part of a symposium entitled "Maternal Employment and Child Outcomes: New Perspectives on 'Process' Issues," at the annual meeting of the American Psychological Association, New Orleans.

Chair and organizer, Symposium entitled "Social Influences on Maturation Timing," presented at the biennial meetings of the Society for Research on Adolescence, Atlanta, March, 1990.

Belsky, J., & Steinberg, L. (March, 1990). Toward a biosocial theory of pubertal timing. Paper presented as part of a symposium entitled "Social Influences on Maturation Timing" at the biennial meetings of the Society for Research on Adolescence, Atlanta.

Dornbusch, S., Steinberg, L., & Ritter, P. (March, 1990). Ethnic differences in beliefs about the value of school success: An empirical assessment of Ogbu's hypothesis. Paper presented as part of a symposium entitled "Ethnic Variations in Adolescent Experience" at the biennial meetings of the Society for Research on Adolescence, Atlanta.

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Brown, B., Steinberg, L., Mounts, N., & Philipp, M. (March, 1990). The comparative influence of peers and parents on high school achievement: Ethnic differences. Paper presented as part of a symposium entitled "Ethnic Variations in Adolescent Experience" at the biennial meetings of the Society for Research on Adolescence, Atlanta.

Steinberg, L. (August, 1990). Adolescent development in ecological perspective. Invited address, Division 7 (Developmental Psychology), American Psychological Association, Boston, August, 1990.

Invited colloquium, Department of Individual and Family Studies, University of Delaware, October, 1990. Invited testimony, National Commission on Children, St. Paul, Minnesota, October, 1990.

Invited keynote address, Delaware Association of School Administrators, Conference on Work and Family,

Dover, January, 1991. Steinberg, L., Mounts, N., Lamborn, S., & Brown, B. (April, 1991). Authoritative parenting and adolescent

adjustment across varied ecological niches. Paper presented as a part of a symposium entitled "Authoritative Parenting and Adolescent Adjustment" at the biennial meetings of the Society for Research in Child Development, Seattle.

Mounts, N., Brown, B., Lamborn, S., & Steinberg, L. (April, 1991). Parenting style and crowd membership: Contributions to adolescent development. Paper presented as a part of a symposium entitled "From Family to Peer: Family Influences on Peer Relations from Early Childhood through Adolescence" at the biennial meetings of the Society for Research in Child Development, Seattle.

Steinberg, L., & Darling, N. (May, 1991). The broader context of social influence in adolescence. Paper presented at an international conference on "The Development of Motivational Systems in Adolescence: Interindividual Differences and Contextual Factors in Interaction," German Research Foundation and the University of Geissen, Schloss Rauischholzhausen, Germany.

Steinberg, L., & Weinmann, L. (July, 1991). Adolescent adjustment as a function of timing of parental divorce and remarriage. Paper presented as a part of a symposium entitled "Adolescents and Divorce: International Perspectives from Longitudinal Research" at the biennial meetings of the International Society for the Study of Behavioural Development, Minneapolis.

Invited symposium, Institute of Child Development, Department of Pediatrics, Robert Wood Johnson Medical School, New Brunswick, New Jersey, December, 1991.

Invited speaker, Department of Child and Family Development, University of North Carolina at Greensboro, February, 1992.

Discussant, "Psychosocial Antecedents of the Timing of Puberty." Symposium presented at the biennial meetings of the Society for Research on Adolescence, Washington, March, 1992.

Steinberg, L., & Lamborn, S. (March, 1992). Autonomy redux: Adolescent adjustment as a joint function of emotional autonomy and relationship security. Paper presented as a part of a symposium entitled "Adolescent Autonomy: Is It All It's Cracked Up To Be?" at the biennial meetings of the Society for Research on Adolescence, Washington.

Invited colloquium, Department of Human Development and Family Studies, Penn State University, April, 1992.

Invited presentation, Pennsylvania Family Policy Seminar on "Enhancing Development in Early Adolescence through Creative Partnerships," Harrisburg, April 30, 1992.

Fletcher, A., Darling, N., & Steinberg, L. (May, 1992). Parenting practices as moderators of peer influence on adolescent deviance. Paper presented at the annual meeting of the Society for Life History Research, Philadelphia.

Invited participant, Social Science Research Council working group meeting on Community and Neighborhood Influences, New York, May 14, 1992.

Invited discussant, PRIDE Conference on the Impact of Social Context on Early Adolescent Trajectories, Pennsylvania State University, October 2-3, 1992.

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Steinberg, L., Fletcher, A., & Darling, N. (March, 1993). Influence of parental authoritativeness in the adolescent's peer network on adolescent misconduct. Paper presented as a part of a symposium entitled "Interactive Influences of Parents and Peers on Adolescent Misbehavior" at the biennial meetings of the Society for Research in Child Development, New Orleans.

Darling, N., Steinberg, L., & Gringlas, M. (March, 1993). Community integration and value consensus as forces for adolescent socialization: A Test of the Coleman and Hoffer hypothesis. Paper presented as a part of a symposium entitled "Community and Neighborhood Influences on Adolescent Behavior" at the biennial meetings of the Society for Research in Child Development, New Orleans.

Lamborn, S., Steinberg, L., Darling, N., Mounts, N., & Dornbusch, S. (April, 1993). Adolescents' perceptions of parenting styles: Short-term longitudinal implications for adjustment. Paper presented at the annual meetings of the American Educational Research Association, Atlanta.

Co-organizer, Society for Research on Adolescence study group on Research on Ethnic Minority Adolescents and Families, University of Michigan, May 21-23, 1993.

Invited presentation, Urie Bronfenbrenner Symposium, Cornell University, Ithaca, September 24, 1993.

Steinberg, L., & Belsky, J. (October, 1993). A sociobiological perspective on psychopathology in adolescence.

Invited paper presented at the Rochester Symposium on Developmental Psychology, University of Rochester. Steinberg, L. (October, 1993). Coming of age in the '90s: Challenges to Parents and Teachers. Invited speech,

Josselyn Center for Mental Health, Northfield, IL. Steinberg, L. (October, 1993). Coming of age in a climate of violence and fear. Invited presentation, New

Jersey Public Health Association, statewide symposium entitled "Violence: A Society in Crisis,"

Jamesburg, New Jersey. Invited speaker, Center for Substance Abuse Prevention Conference on Adolescent Drug Trafficking, School

of Medicine, University of Maryland, Baltimore, November 18, 1993. Invited colloquium, Department of Sociology, The Johns Hopkins University, Baltimore, Maryland,

December, 1993. Invited colloquium, Center for Family Research, University of Georgia, Athens,

Georgia, January, 1994. Invited speaker, Department of Adolescent Medicine, Children's Hospital of Philadelphia, February, 1994. Fletcher, A., & Steinberg, L. (February, 1994). Generational status and

country of origin as influences on the



psychological adjustment of Asian-American adolescents. Paper presented as part of a symposium entitled "Psychosocial Adjustment of Asian-American Adolescents" at the meetings of the Society for Research on Adolescence, San Diego.

Participant, roundtable discussion on parent-peer linkages in adolescence at the meetings of the Society for Research on Adolescence, San Diego, February, 1994.

Participant, roundtable discussion on adolescent sexuality at the meetings of the Society for Research on Adolescence, San Diego, February, 1994.

Invited keynote address, 17th Goucher College Educational Conference, Towson, Maryland, March 24, 1994. Invited presentation, Penn State University Conference on "Excellence in Education: Asian and American

Approaches," Delaware County Campus, Media, Pennsylvania, April 16, 1994. Invited colloquium, Department of Educational Psychology, University of Illinois, Champaign, Illinois, April, 1994. Pediatric Grand Rounds, Memorial Sloan-Kettering Cancer Center, New York, May 26, 1994.

Invited colloquium, Department of Psychology, New York University, New York, September, 1994.

Discussant, "Developmental Processes: Similar or Different Across Ethnic and Racial Groups?"

Symposium

held at the Biennial Meetings of the Society for Research in Child Development, Indianapolis, March, 1995.

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Cauffman, E., and Steinberg, L. (March, 1995). Moderating effects of neighborhood parenting on family socialization processes. Paper presented as part of a symposium entitled "Community Effects on Adolescent Development: New Approaches to the Study of Neighborhoods and Their Impact" at the Biennial Meetings of the Society for Research in Child Development, Indianapolis.

Chair and organizer, "Community Effects on Adolescent Development: New Approaches to the Study of Neighborhoods and Their Impact." Symposium presented at the Biennial Meetings of the Society for Research in Child Development, Indianapolis, March 1995.

Steinberg, L., and Cauffman, E. (September, 1995). Adolescent development and adolescent decision-making. Paper presented at the Temple University Law School conference on Children's Rights.

Invited speaker, Undergraduate Research Summer Institute and Psychology Forum, Vassar College, Poughkeepsie, New York, September 30, 1995.

Invited workshop, Central New York State Psychological Association, October 27, 1995. Steinberg, L.

(November, 1995). The family at adolescence: Transition and transformation. Sixth Annual Anathan Foundation Lecture, Western Psychiatric Institute and Clinic, University of Pittsburgh

Medical Center. Invited keynote address, Vermont Association for Middle Level Education, Burlington, Vermont, November

21, 1995. Invited colloquium, Graduate School of Education, University of Pennsylvania, December,

1995. Steinberg, L., and Greene, M. (March, 1996). Is 'Americanization' bad for adolescents'

achievement and

mental health? Paper presented as a part of a symposium on "The Development of Immigrant

Adolescents," at the Biennial Meetings of the Society for Research on Adolescence, Boston. Invited

participant, Symposium on Conceptual and Methodological Issues in Research on Parenting,

presented at the Biennial Meetings of the Society for Research on Adolescence, Boston, March, 1996.

Invited keynote address, European Association for Research on Adolescence, Liège, Belgium, May,

1996. Steinberg, L. & Avenevoli, S. (June, 1996). Disengagement from school and problem behavior in adolescence: A developmental-contextual analysis of the influences of family and part-time work.

Invited paper, Conference on New Perspectives on Adolescent Risk Behavior, UCLA, Los Angeles.

Matthew Vassar Lecture, Vassar College, Poughkeepsie, New York, September, 1996. Invited

presentation, National Academy of Sciences, Commission on Behavioral and Social Sciences and

Education, Division on Education, Labor, and Human Performance, September, 1996. Invited keynote address, Golden Apple Foundation Annual Dutch Koldyke Forum, Chicago, October, 1996. Invited presentation, Pennsylvania State Board of Education, Philadelphia, November, 1996. Invited presentation, Center for School Study Councils, Annual School Directors' Dinner, University of Pennsylvania, December 4, 1996. Invited presentation, Alliance for Education, Worcester, Massachusetts, December 10, 1996. Invited presentation, Chester County Intermediate Unit, Exton, Pennsylvania, December 12, 1996. Invited lecture, Florida Atlantic University, Ft. Lauderdale, Florida, January, 1997. Invited presentation, National Urban League, Urban Policy Forum, National Press Club, Washington, February 14, 1997. Invited keynote address, Colorado Principals' Center Winter Institute, Denver, February 26, 1997. Invited lecture, Graduate School of Education, Harvard University, March 3, 1997. Discussant, Symposium on "Adolescence and the Law: Developmental Perspectives." Presented at the biennial meetings of the Society for Research on Child Development, Washington, April, 1997. Discussant, Symposium on "Children's Perspectives on the Family System." Presented at the biennial meetings of the Society for Research on Child Development, Washington, April, 1997. Invited address, Fourth Annual Invitational Public Schools Conference, "Beyond School Reform: A Framework for the 21st Century," Temple University, May 3, 1997. Invited presentation, Brookings Institution Conference on Education Policy, Washington, May 29, 1997.

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Invited presentation, Conference on Character Building, The Communitarian Network, Washington, June 14, 1997.

Invited presentation, Center for Research on Young Children and Families, Teachers College, Columbia University, June 18, 1997.

Invited workshop leader, Vice President and Mrs. Gore's "Family Re-Union" conference on Families and Learning, Nashville, June 24-25, 1997.

Invited address, Superintendents Work Conference, Teachers College, Columbia University, July 17, 1997. Invited colloquium, Department of Psychology and Human Development, Bryn Mawr College, Bryn Mawr,

PA, November 7, 1997. Invited participant, Drug Abuse Multidisciplinary Integration Meeting, National Institute of Drug Abuse,

Rockville, MD, November, 1997. Chair and organizer, Invited Symposium, "Should Violent Juvenile Offenders Be Tried as Adults?"

Presented at the Biennial Meetings of the Society for Research on Adolescence, San Diego, February, 1998. Steinberg, L., Avenevoli, S., & Hecker, T. (March, 1998). Developmental perspectives on waiver of

adolescents to adult court. Paper presented as part of an invited symposium entitled, "Should Violent Juvenile Offenders Be Tried as Adults?", at the Biennial Meetings of the Society for Research on Adolescence, San Diego.

Invited participant, Symposium on Healthy Sexuality in Adolescence. Biennial Meetings of the Society for Research on Adolescence, San Diego, February, 1998.

Invited colloquium, Institute of Child Development, University of Minnesota, April, 1998. Invited presentation, National Workshop on Violent Youths Tried as Adults, Corrections Program Office, U.S. Department of Justice, Houston, May 13-15, 1998. Invited testimony, Senate of Pennsylvania Committee on Education, Hearing on School Violence, June 30,

1998. Invited seminar, Arkansas Public Defenders Commission, Little Rock, August 18, 1998. Invited testimony, Arkansas Governor's Working Group on Juvenile Violence, August 19, 1998. Invited speech, Family Resource Network of the School District of Philadelphia, Philadelphia, September 29,

1998. Invited presentation, American Bar Association Criminal Justice Standards Task Force on Juveniles in the Adult Criminal System, Washington, October 9, 1998. Steinberg, L. (November, 1998). The elephant in the room: Developmental perspectives on the adjudication of youthful offenders. Invited presentation, Interdisciplinary Conference on Youth Violence and Juvenile Justice Reform, Center for Children, Families, and the Law, University of Virginia, Charlottesville.

Invited participant, Robert Wood Johnson Foundation National Planning Meeting on Juvenile Justice and Substance Abuse, Annapolis, November 3-6, 1998.

Invited testimony, Subcommittee on Crime of the Committee on the Judiciary, U.S. House of Representatives, March 11, 1999.

Steinberg, L. (March, 1999). The family at adolescence: Transition and transformation. Gallagher Lecture, Society for Adolescent Medicine, Los Angeles.

Invited presentation, National Conference on Juvenile Justice, Minneapolis, March 22, 1999. Invited presentation, 22nd Annual EdSource Conference on Public Schools, Irvine and San Ramon California, March 25-26, 1999. Discussant, "Methodological Challenges in Research with Racial and Ethnic Minority Populations – The Unspoken Issues," symposium presented at the biennial meetings of the Society for Research in Child Development, Albuquerque, April, 1999.

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Steinberg, L. (April, 1999). Should juvenile offenders be tried as adults? A developmental perspective on changing legal policies. Paper presented as a part of an invited symposium entitled "The Changing Landscape for Children: Important Issues as We Enter the Millennium," at the biennial meetings of the Society for Research in Child Development, Albuquerque.

Invited presentation, National Research Council, Committee on Law and Justice, Panel on Juvenile Crime: Prevention, Treatment, and Control, May 3, 1999.

Steinberg, L. (July, 1999). A developmental perspective on the transfer of adolescents to adult court. Paper presented as a part of an invited symposium entitled "Separating the Men from the Boys: Thresholds for Criminal Punishment of Adolescent Offenders," at the joint meeting of the American Psychology and Law Society and the European Psychology and Law Society, Dublin.

Invited presentation, U.S. House of Representatives Bi-Partisan Working Group on Youth Violence, September 15, 1999.

Invited participant, the High School of Tomorrow Forum, National Association of Secondary School Principals, Hershey, PA, October 13-14, 1999.

Invited colloquium, Department of Psychology, University of Delaware, October 20, 1999. Invited presentation, Rochester Child Health Congress, University of Rochester Medical Center, October, 1999. Organizer and chair, Invited symposium entitled "Lethal Violence in American Schools: Rhetoric, Reality,

and Rational Responses," at the annual meeting of the American Society of Criminology, Toronto, November, 1999. Steinberg, L., and Cauffman, E. (November, 1999). A developmental perspective on school violence. Paper presented as a part of an invited symposium entitled "Lethal Violence in American Schools: Rhetoric, Reality, and Rational Responses," at the annual meeting of the American Society of Criminology, Toronto.

Steinberg, L. (December, 1999). Adolescent Violence: The Roles of Parents, Peers, and Communities. Cummins Endowment for Adolescent Medicine Lecture, Morristown Memorial Hospital, Morristown, NJ.

Invited participant, Transforming Secondary Education: A Strategy Building Workshop, sponsored by the Bill and Melinda Gates Foundation and the Daniel J. Evans Graduate School of Public Affairs of the University of Washington. December 5-6, 1999, Kirkland, Washington.

Steinberg, L. (January, 2000). Should Juvenile Offenders Be Tried As Adults? Invited Congressional Research Briefing, Joint Center for Poverty Research, Washington.

Steinberg, L. (February, 2000). Adolescent Violence: The Roles of Parents, Peers, and Communities. 22nd Annual Konopka Lecture, University of Minnesota.

Steinberg, L., & Cauffman, E. (March, 2000). A developmental perspective on the commission, investigation, and judgment of adolescent crime. Paper presented as a part of a symposium entitled, "Justice for Juveniles: Factors Relating to the Commission, the Investigation, and the Judgment of Adolescent Crime" at the annual meetings of the American Psychology and Law Society, New Orleans.

Steinberg, L. (April, 2000). We know some things: Parent-adolescent relations in retrospect and prospect. Presidential address, Biennial meetings of the Society for Research on Adolescence, Chicago.

Discussant, "Autonomy during Adolescence: Developmental Processes in Diverse Contexts,"

Symposium presented at the Biennial meetings of the Society for Research on Adolescence, Chicago, March, 2000.

Invited presentation, White House Conference on Teenagers, May 2, 2000. Invited colloquium, Center for Mental Health Services Research and Department of Law and Psychiatry,

University of Massachusetts Medical School, Worcester, MA, May 4, 2000. Invited discussant,

Brookings Institution Educational Policy Conference on National Standards, Washington,

May 15, 2000. Invited presentation, Casey Journalism Conference, College Park, Maryland, June 13, 2000.

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Discussant, symposium entitled "Assessment of psychopathy among adolescents and adults: Developmental and legal implications," at the annual meetings of the American Criminological Society, San Francisco, November 15, 2000.

Steinberg, L. (March, 2001). The juvenile psychopath: Fads, fictions, and facts." Invited lecture, National Institute of Justice, Perspectives on Crime and Justice, Washington.

Steinberg, L. (March, 2001). The role of the family in adolescent development: Preventing risk, promoting resilience." Invited keynote address, Children, Youth and Families at Risk Program Initiative, Cooperative Extension Service, U.S. Department of Agriculture, San Diego.

Chair, invited symposium entitled "A New Framework for Studying Adolescent Development and Psychopathology," Biennial meetings of the Society for Research in Child Development, Minneapolis, April, 2001.

Discussant, symposium entitled "Pathways to Parental Knowledge: Monitoring Research in the 21st Century," Biennial meetings of the Society for Research in Child Development, Minneapolis, April, 2001.

Discussant, symposium entitled "The Impact Of Exposure To Community Violence On Children And Youth: Fact Or Fluke," Biennial meetings of the Society for Research in Child Development, Minneapolis, April, 2001.

Invited colloquium, Irving B. Harris School of Public Policy, University of Chicago, June, 2001.

Steinberg, L. (June, 2001). Parent-adolescent relations: What we know, what we need to know." Invited keynote presentation, Parent Education Institute IV, University of Minnesota, St. Paul.

Steinberg, L. (June, 2001). Crossing paths: When adolescence meets midlife." Invited lecture, Young

Presidents' Organization Venice University, Venice, Italy. Steinberg, L. (June, 2001). You and your adolescent. Invited workshop, Young Presidents' Organization

Venice University, Venice, Italy. Steinberg, L. (July, 2001). The family at adolescence. Invited lecture, European Association for Research on

Adolescence Summer School, Puidoux-Chexbres, Switzerland. Steinberg, L. (October, 2001). Adolescent development and juvenile justice. Invited campus-wide lecture sponsored by the departments of Psychology, Education, and Urban Studies, Vassar College. Invited colloquium, The Bush Center in Child Development and Social Policy, Yale University, October, 2001. Discussant, symposium entitled "Gender, Mental Disorder, and Juvenile Justice," annual meeting of the American Society of Criminology, Atlanta, November, 2001. Invited participant, Annie E. Casey Foundation Roundtable on Family Strengthening Youth Development, Baltimore, December, 2002. Steinberg, L. (March, 2002). Age differences in capacities underlying competence to stand trial. Paper presented as part of a symposium entitled "Juveniles' Competence to Stand Trial," at the annual meeting of the American Psychology and Law Society, Austin, Texas. Steinberg, L. (March, 2002). The juvenile psychopath: Fads, fictions, and facts. Paper presented as part of a symposium entitled "Recent Research and Legal Developments on Juvenile Psychopathy," at the annual meeting of the American Psychology and Law Society, Austin, Texas. Steinberg, L. (March, 2002). Adolescent development and legal decisional capacity: A new legal horizon. Invited keynote address, University of Virginia Institute of Law, Psychiatry and Public Policy annual conference on juvenile forensic practice, Richmond, March 22, 2002. Invited colloquium, School of Social Ecology, University of California, Irvine, April 1, 2002. Chair, symposium entitled "Adolescents' Competence to Stand Trial as Adults: The MacArthur Juvenile Competence Study." Biennial meetings of the Society for Research on Adolescence, New Orleans, April, 2002. Steinberg, L. (April, 2002). Age differences in capacities underlying competence to stand trial. Paper presented as part of a symposium entitled "Juveniles' Competence to Stand Trial," at the biennial meeting of the Society for Research on Adolescence, New Orleans. Discussant, symposium entitled "Emotion Regulation in Adolescence," biennial meetings of the Society for Research on Adolescence, New Orleans, April, 2002. Invited presenter, symposium entitled "What is the Meaning of Good Science in the Field of Adolescent Development?" Biennial meetings of the Society for Research on Adolescence, New Orleans, April, 2002. Invited keynote address, National Family & Parenting Institute International Conference on Adolescence, London, April, 2002. Invited speaker, Practical Parenting Partnerships annual meeting, Lake Osage, Missouri, April, 2002. Invited speaker, Brookings Institution Educational Policy Conference, Washington, May 14, 2002. Invited participant, National Consortium on Violence Research (NCOVR) Summer Workshop, St. Augustine, Florida, June, 2002. Invited participant, White House Conference on Character and Community, June 19, 2002. Steinberg, L. (June, 2002). Is decision-making the right framework for the study of adolescent risk-taking? Invited paper presented at the Adolescent Risk Conference, Institute for Adolescent Risk Communication, University of Pennsylvania, June, 2002. Invited keynote speaker, Adolescent Health Institute, University of New Hampshire Cooperative Extension, Lake Winnepesaukee, New Hampshire, June, 2002. Chair, invited symposium entitled "Juveniles' Competence to Stand Trial: The MacArthur Study." Annual meeting of the American Psychological Association, Chicago, August, 2002. Steinberg, L. (August, 2002). Age differences in capacities underlying competence to stand trial. Paper presented as part of a symposium entitled "Juveniles' Competence to Stand Trial: The MacArthur Study," at the annual meeting of the American Psychological Association, Chicago. Invited speaker, Satellite Series on "Healthy Teen Development," University Extension, Iowa State

University, October, 2002. Steinberg, L. (October, 2002). Are juveniles competent to stand trial in criminal court? Campus-wide lecture, Iowa State University, Ames, Iowa. Steinberg, L. (October, 2002). Crossing paths: When adolescence meets midlife.” Invited lecture, Young Presidents’ Organization Prague University, Prague, Czech Republic. Steinberg, L. (October, 2002). You and your adolescent. Invited workshop, Young Presidents’ Organization Prague University, Prague, Czech Republic. Steinberg, L. (November, 2002). Familial and neighborhood correlates of serious juvenile offending. Paper presented as a part of a symposium entitled “Serious Juvenile Offending,” at the annual meeting of the American Society of Criminology, Chicago. Steinberg, L. (December, 2002). Juveniles’ competence to stand trial. Invited presentation, Florida Conference of Circuit Judges, Amelia Island, Florida. Steinberg, L. (January, 2003). Juveniles’ competence to stand trial. Grand rounds lecture, Child Study Center, New York University School of Medicine. Invited presentation, Council of Juvenile Corrections Administrators, New Directors Seminar, Charlotte, January, 2003. Invited colloquium, Department of Mental Health, Bloomberg School of Public Health, The Johns Hopkins University, March, 2003. Invited address, annual meeting of the National Conference of Juvenile and Family Court Judges, Philadelphia, March, 2003. Invited testimony, Hearing on Access to Mental Health and Drug & Alcohol Treatment, Pennsylvania House of Representatives, Committees on Health and Human Services and Children and Youth, April, 2003.

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Steinberg, L. (April, 2003). Less guilty by reason of adolescence. Invited Master Lecture, Biennial meetings of the Society for Research in Child Development, Tampa, Florida. Steinberg, L., & Chung, H. (April, 2003). Variations in patterns of offending: The impact of family and neighborhood. Paper presented as part of a symposium entitled “The Psychological Development of Serious Juvenile Offenders: The MacArthur Study of Pathways to Desistance,” Biennial meetings of the Society for Research in Child Development, Tampa, Florida. Discussant, Invited symposium entitled “Adolescent Decision Making and Drug Abuse,” Biennial meetings of the Society for Research in Child Development, Tampa, Florida, April, 2003. Invited presentation, Young Presidents’ Organization Philadelphia Forum, April 28, 2003. Invited participant, Reentry Roundtable on “The Youth Dimensions of Prisoner Reentry: Youth Development and the Impact of Incarceration and Reentry,” Urban Institute, San Francisco, May, 2003. Invited participant, National Consortium on Violence Research (NCOVR) Summer Workshop, San Juan, Puerto Rico, June, 2003. Steinberg, L. (September, 2003). Risk-taking in adolescence: What changes, and why? Invited presentation, New York Academy of Sciences conference on Adolescent Brain Development: Vulnerabilities and Opportunities, New York City. Invited campus-wide lecture, Cornell University, Ithaca, New York, November, 2003. Steinberg, L. (January, 2004). You and your adolescent. Invited lecture, Young Presidents’ Organization South America University, Rio de Janeiro, Brazil. Steinberg, L. (January, 2004). The ten basic principles of good parenting. Invited lecture, Young Presidents’ Organization South America University, Rio de Janeiro, Brazil. Steinberg, L. (January, 2004). My parents are driving me crazy. Invited lecture, Young Presidents’

Organization South America University, Rio de Janeiro, Brazil. Invited lecture, Villanova University School of Law, February, 2004. Cauffman, E., Schubert, C., & Steinberg, L. (March, 2004). Romantic relationships among serious adolescent

offenders: Gender similarities and differences. Paper presented as a part of a symposium entitled "Improving Our Understanding of Female Offending," at the annual meeting of the American Psychology-Law Society, Scottsdale, Arizona.

Cauffman, E., Piquero, A., Mulvey, E., & Steinberg, L. (March, 2004). Predicting disposition among serious juvenile offenders: Who gets locked up? Paper presented as a part of a symposium entitled "Sanctions and Services for Serious Juvenile Offenders: Findings from the Pathways to Desistance Study," at the annual meeting of the American Psychology-Law Society, Scottsdale, Arizona.

Participant, invited conversation hour, "Human Subjects Issues in Research with Adolescents," biennial meeting of the Society for Research on Adolescence, Baltimore, March, 2004.

Chair and organizer, "Predictors of Re-Offending in a Sample of Serious Juvenile Offenders," symposium presented at the biennial meeting of the Society for Research on Adolescence, Baltimore, March, 2004.

Cauffman, E., & Steinberg, L. (March, 2004). Psychosocial maturity and recidivism among adolescent offenders. Paper presented as a part of a symposium entitled "Predictors of Re-Offending in a Sample of Serious Juvenile Offenders," biennial meeting of the Society for Research on Adolescence, Baltimore.

Invited presentation, Young Presidents' Organization Philadelphia Forum, March 17, 2004. Gardner, M., Steinberg, L., & Garrett, R. (April, 2004). "Risk-Taking Across Three Age Groups: The Role of Susceptibility to Peer Influence." Poster presentation at the Conference on Human Development, Washington, D.C. Steinberg, L. (April, 2004). Juveniles' competence to stand trial. Invited address, Ohio Juvenile Defenders'

Summit, Dayton, Ohio. Invited presentation, Young Presidents' Organization Philadelphia Forum, May 20, 2004.

Steinberg, L. (June, 2004). A developmental perspective on risk-taking in adolescence. Paper presented as part of an invited plenary symposium sponsored by the National Institute of Drug Abuse at the meeting of International Society for Addiction Medicine, Helsinki.

Steinberg, L. (September, 2004). Adolescent development in the family context. Invited Master Lecture, XVIII Congresso di Psicologia dello Sviluppo, Sciacca, Italy.

Invited panelist, Fred Friendly Seminar on Juvenile Justice (produced for PBS). Filmed in Berkeley, California, October, 2004.

Invited presentation, Fall Mental Health Forum, Riverbend Foundation, Florence, Alabama, October,

2004. Invited testimony, Illinois State Legislature Taskforce on Trying Juveniles as Adults, Chicago,

October, 2004. Invited presentation, Panel on the Juvenile Death Penalty, University of Virginia School of Law, November,

2004. Invited presentation, Department of Psychology, Ursinus College, November, 2004. Chung, H.,

Little, M., & Steinberg, L. (November, 2004). The transition to adulthood for juvenile offenders:

A developmental perspective. Paper presented as part of symposium entitled "On Your Own Without a Net: The Transition to Adulthood for Youth Involved in the Justice System", at the annual meeting of the American Criminological Society, Nashville.

Piquero, A., Cauffman, E., Mulvey, E., & Steinberg, L. (November, 2004). Predicting disposition among serious juvenile offenders: Who gets locked up? Paper presented as part of symposium entitled "New Findings from the Pathways to Desistance Study," at the annual meeting of the American Criminological Society, Nashville.

Invited presentation, Panel on Juvenile Justice and Adult Corrections, Chapin Hall Conference on Adolescence and the Transition to Adulthood, University of Chicago, November, 2004.

Invited colloquium, Department of Human Development and Family Studies, University of Wisconsin, Madison, December, 2004.

Steinberg, L. (March, 2005). Less guilty by reason of adolescence. Barbara Lemann Memorial Lecture, Tulane University Health Science Center, March, 2005.

Grand rounds, Department of Child Psychiatry, Tulane University School of Medicine, New Orleans, March 11, 2005.

Discussant, symposium entitled "The Unintended Consequences of Social Policy on Youth Development." Biennial meetings of the Society for Research in Child Development, Atlanta, April, 2005.

Discussant, symposium entitled "Environmental Chaos and Children's Development: Expanding the Boundaries of Chaos." Biennial meetings of the Society for Research in Child Development, Atlanta, April, 2005.

APA Distinguished Scientist Lecture, Rocky Mountain Psychological Association, Phoenix, April, 2005.

Invited lecture, Rock Island/Milan School District, Rock Island, Illinois, April 25, 2005. Invited colloquium, School of Education, Western Illinois University, Moline Illinois, April 26, 2005. Invited address, American Psychological Society, Los Angeles, May, 2005.

Steinberg, L. (June, 2005). You and your adolescent. Invited lecture, Young Presidents' Organization Southern 7 Chapter, Greenbrier, West Virginia.

Steinberg, L. (June, 2005). The ten basic principles of good parenting. Invited lecture, Young Presidents' Organization Southern 7 Chapter, Greenbrier, West Virginia.

Invited presentation, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, July 11, 2005.

Invited testimony, Subcommittee on Select Education, U.S. House of Representatives Committee on Education and the Workforce, Washington, July 12, 2005.

Invited presentation, National Institute of Justice Annual Conference on Research and Evaluation, Washington, July 19, 2005.

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Steinberg, L. (August, 2005). Between a rock and a soft place: Developmental research and the child advocacy process. Paper presented as a part of a cross-divisional symposium entitled "Psychology and Children: Translating Research into Better Policy and Services," at the meetings of the American Psychological Association, Washington.

Invited presentation, Annual meeting of Grantmakers for Children and Youth, Denver, September, 2005. Piquero, A., Fagan, J., Mulvey, E., Steinberg, L., & Odgers, C. (November, 2005). Developmental Trajectories of legal socialization among serious adolescent offenders. Paper presented as a part of a symposium entitled "Legitimacy, Procedural Justice, and Compliance," at the annual meeting of the American Society of Criminology, Toronto.

Invited testimony, Governor's Commission on College and Career Success, Harrisburg, November 4, 2005. Invited lecture, Graduate School of Social Work and Social Research, Bryn Mawr College, November 29,

2005. Invited participant, NIH conference on Reward Neurocircuitry in Adolescent Development and Decision

Making, Bethesda, January 20, 2006. Chair, symposium entitled "The MacArthur Juvenile Capacity Study: A New Approach to the Study of

Adolescent Cognitive Development." Biennial meetings of the Society for Research on Adolescence, San Francisco, March, 2006. Steinberg, L. (March, 2006). A new approach to the study of adolescent cognitive development. Paper



presented as part of a symposium entitled “The MacArthur Juvenile Capacity Study: A New Approach to the Study of Adolescent Cognitive Development,” at the Biennial meetings of the Society for Research on Adolescence, San Francisco.

Graham, S., & Steinberg, L. (March, 2006). Age differences in future orientation. Paper presented as part of a symposium entitled “The MacArthur Juvenile Capacity Study: A New Approach to the Study of Adolescent Cognitive Development,” at the Biennial meetings of the Society for Research on Adolescence, San Francisco.

Discussant, symposium entitled “Transactional Relations between Adolescents and Parents: Who Influences Whom?” at the Biennial meetings of the Society for Research on Adolescence, San Francisco, March, 2006.

Discussant, symposium entitled “Parent-Adolescent Relations and Adolescent Internalizing and Externalizing Behaviors” at the Biennial meetings of the Society for Research on Adolescence, San Francisco, March, 2006.

Von Bank, H., Brown, B., & Steinberg, L. (March, 2006). Does awareness of peer crowd affiliation affect self-concept and well-being? a longitudinal, symbolic interactionist study. Paper presented as part of a symposium entitled “Peer Groups, Crowds, and the Social Network: The Longitudinal Study of Adolescent Peer Relationships” at the Biennial meetings of the Society for Research on Adolescence, San Francisco.

Testa, C., & Steinberg, L. (March, 2006). Overweight adolescents’ struggle to lose: outcomes of dieting and exercise. Poster presented at the Biennial meetings of the Society for Research on Adolescence, San Francisco.

Wilson, K., Lee, J., & Steinberg, L. (March, 2006). Adolescent sexual activity: links between relational context and depression. Poster presented at the Biennial meetings of the Society for Research on Adolescence, San Francisco, March, 2006.

Wilson, K., Steinberg, L., & Alloy, L. (March, 2006). A test of the hopelessness theory of depression in adolescence. Poster presented at the Biennial meetings of the Society for Research on Adolescence, San Francisco.

Blatt-Eisengart, I., Drabick, D., & Steinberg, L. (March, 2006). Sex differences in the longitudinal relations among family risk factors and preadolescent externalizing symptoms. Poster presented at the Biennial meetings of the Society for Research on Adolescence, San Francisco.

Invited colloquium, Department of Psychology, Drexel University, Philadelphia, May 30, 2006.

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Steinberg, L. (August, 2006). How developmental science informs decisions about juvenile justice policy and practice. Paper presented as a part of an invited symposium entitled “Developmental Science: An Interdisciplinary Approach to Understanding Development,” at the annual meeting of the American Psychological Association, New Orleans.

Testa, C., & Steinberg, L. (August, 2006). Depression and health risk-taking during adolescence. Poster presented at the annual meeting of the American Psychological Association, New Orleans.

Keyser, J., & Steinberg, L. (August, 2006). Impact of ethnicity, socio-economic status, sexual attraction, and family structure on dieting among adolescent girls. Poster presented at the annual meeting of the American Psychological Association, New Orleans.

Invited address, Annual meeting of Grantmakers for Children, Youth, and Families, Los Angeles, September 25, 2006.

Blatt-Eisengart, I. & Steinberg, L. (November, 2006). Sex differences in the longitudinal relations among risk and protective factors and adolescent antisocial behavior. Poster presented at the Association for Cognitive and Behavioral Therapy, Chicago.

5th Annual Russell Barkley Lecture, Department of Psychiatry, University of Massachusetts Medical School, Worcester, Massachusetts, November 2, 2006.

Invited colloquium, Child and Family Research Section, NICHD, November 17, 2006. Invited speaker, Woodrow Wilson School of Public and International Affairs and the Center for Research on Child Wellbeing, Princeton University, December 6, 2006. Invited presentation, City and Juvenile Judges Association Meeting, New Orleans, January 12, 2007. Invited colloquium, Department of Society, Human Development, and Health, Harvard School of Public Health, January 31, 2007. Invited presentation, Carrier Clinic, Bridgewater, New Jersey, March 9, 2007. Monahan, K., Steinberg, L., & Cauffman, E. (March, 2007). Peer groups and deviant behavior: the role of friendship quality and resistance to peer influence. Paper presented as part of a symposium entitled "Peer Relations of Aggressive and Delinquent Youth" at the Biennial Meetings of the Society for Research in Child Development, Boston.

Goldweber, A., Cauffman, E., Piquero, A., & Steinberg, L. (March, 2007). Peer relationships and offending: what distinguishes group from solo offenders? Paper presented as part of a symposium entitled "Peer Relations of Aggressive and Delinquent Youth" at the Biennial Meetings of the Society for Research in Child Development, Boston.

Bubier, J., & Steinberg, L. (March, 2007). Psychological adjustment among adolescents: does having friends outside of school make things better or worse? Poster presented at the Biennial Meetings of the Society for Research in Child Development, Boston.

Lee, J., & Steinberg, L. (March, 2007). Ethnic identity and attitudes towards the police among African American juvenile offenders. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Boston.

Monahan, K., & Steinberg, L. (March, 2007). Gainful activity and adolescent offending: The role of employment and school attendance. Paper presented as a part of a symposium entitled "An Evaluation of Biological and Environmental Influences on Trajectories of Externalizing Behaviors Across the Lifespan" at the Biennial Meetings of the Society for Research in Child Development, Boston.

Hodgdon, H., & Steinberg, L. (March, 2007). The impact of childhood maltreatment on adolescent psychological functioning and the effects of peer support. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Boston.

Belsky, J., Steinberg, L., Houts, R., Friedman, S., DeHart, G., Cauffman, E., et al., (March, 2007). Rearing antecedents of pubertal timing. Paper presented as a part of a symposium entitled "Gene X Environment Interaction and Differential Susceptibility: Promising Avenues for the Study of Child Development" at the Biennial Meetings of the Society for Research in Child Development, Boston.

Invited speaker, Panel discussion on "Adjudicating Juveniles as Adults," Philadelphia Prison Society and the Institute for Violence Research and Prevention, Saint Joseph's University, Philadelphia, April 18, 2007.

Invited speaker, National Conference of State Legislatures Spring Forum, Washington, April 19, 2007.

Invited speaker, 2007 Annual Justin Wise Polier Colloquium, Citizen's Committee for Children, New York, April 20, 2007. Robert Wood Johnson Foundation Plenary Address, Joint Meeting on Adolescent Treatment Effectiveness, Washington, April 25, 2007. Monahan, K., O'Brien, L., Steinberg, L., & Dmitrieva, J. (May, 2007). Impulsivity, anxiety, and offending: the role of context. Paper presented as a part of a symposium entitled "Interaction Effects of Personality Traits and Context on Problem Behaviors: Early Childhood Through Adolescence" at the annual meeting of the American Psychological Society, Washington.

Invited speaker, Expert Meeting on Risks And Opportunities In Adolescent Brain Development, Leiden University, The Netherlands, May 29, 2007.

Invited speaker, Coalition for Juvenile Justice Annual Conference, Washington, June 11, 2007. Invited briefing, United States Senate Judiciary Committee, Washington, June 11, 2007. Invited speaker, National Governors' Association Service Policy Advisors' Retreat, New Orleans, June 28, 2007. Sood, E., & Steinberg, L. (August, 2007). The role of potential protective factors for substance use among early- and non-early-maturing girls. Poster presented at the annual meeting of the American Psychological Association, San Francisco. Invited presentation, CAB Health and Recovery Services, Salem State College, Salem, Massachusetts, October 16, 2007. Invited presentation, Wisconsin Family Impact Seminar, Madison, Wisconsin, October 24, 2007. Invited participant, 2007 APA Grand Challenges Summit, Baltimore, October 29-30, 2007. Invited presentation, Norfolk Academy, Norfolk, Virginia, November 5, 2007. Invited colloquium, Colloquium Series on Health, Law, Ethics, and Society, Columbia Law School, November 7, 2007. Invited presentation, Adolescent Over-the-Counter (OTC) Drug Product Use: A Public Workshop, U.S. Food and Drug Administration, Washington, December 6-7, 2007. Invited speaker, 30th Annual National Institute on the Teaching of Psychology (NITOP), St. Pete Beach, Florida, January, 2008. Dmitrieva, J., Farruggia, S., Cauffman, E., & Steinberg, L. (March, 2008). A VIP in need is a VIP indeed: The role of very important caring adults in adjustment of juvenile offenders. Paper presented as part of a symposium entitled "Important Non-Parental Adults in the Lives of High-Risk Youth" at the biennial meetings of the Society for Research on Adolescence, Chicago. Panelist, "SRA from Birth to Maturity: A Roundtable on the First 22 Years." Invited roundtable discussion at the biennial meetings of the Society for Research on Adolescence, Chicago, March, 2008. Monahan, K., Steinberg, L., Mulvey, E., & Cauffman, E. (March, 2008). Trajectories of offending among serious adolescent offenders. Paper presented as part of a symposium entitled "Trajectories of Problem Behavior From Adolescence Through Adulthood: Evidence From the U.S., New Zealand, and Puerto Rico" at the biennial meetings of the Society for Research on Adolescence, Chicago. Monahan, K., & Steinberg, L. (March, 2008). The impact of residential transition on antisocial behavior during adolescence. Poster presented at the biennial meetings of the Society for Research on Adolescence, Chicago. Dmitrieva, J., Steinberg, L., & Cauffman, E. (March, 2008). Arrested development: The effects of incarceration experiences on adolescents' development of psychosocial maturity. Paper presented as part of a symposium entitled "Contact With the Juvenile Justice System and Adolescent Psychosocial Adjustment" at the biennial meetings of the Society for Research on Adolescence, Chicago.

Chair, Organizer, and Discussant. "Neural Underpinnings of Psychosocial Maturity: Cross-National Findings From Three Studies." Symposium presented at the biennial meetings of the Society for Research on Adolescence, Chicago, March, 2008. Cauffman, E., Shulman, E., Claus, E., Banich, M., Graham, S., Woolard, J., & Steinberg, L. (March, 2008). Responding to reward versus punishment: How adolescents differ from adults in performance on the Iowa Gambling Task. Paper presented as part of a symposium entitled "Neural Underpinnings of Psychosocial Maturity: Cross-National Findings From Three Studies" at the biennial meetings of the Society for Research on Adolescence, Chicago. Rankin, L., & Steinberg, L. (March, 2008). Does parenting have enduring effects on patterns of competency and adjustment among serious juvenile offenders? Poster presented at the biennial meetings of the Society for Research on Adolescence, Chicago.

Dmitrieva, J., & Steinberg, L. (March, 2008). Adolescent offenders' sense of self-worth: Exaggerated for leaders but low for followers. Poster presented at the biennial meetings of the Society for Research on Adolescence, Chicago.

Discussant, "The Brain Bases of Executive Control and Reward Processing in Adolescence," Symposium presented at the biennial meetings of the Society for Research on Adolescence, Chicago, March, 2008.

Albert, D., Woolard, J., & Steinberg, L. (March, 2008). The development of strategic planning: Age differences on the Tower of London. Poster presented at the biennial meetings of the Society for Research on Adolescence, Chicago.

Maslowsky, J., Keating, D., Banich, M., Cauffman, E., Steinberg, L., & Woolard, J. (March, 2008). Reasoned versus reactive risk taking: Unique contributions of impulsivity and risk assessment to adolescent risk behavior. Poster presented at biennial meetings of the Society for Research on Adolescence, Chicago.

Invited keynote address, Minnesota Association For Children's Mental Health, Duluth, Minnesota, April 28, 2008.

Invited workshop, Minnesota Association For Children's Mental Health, Duluth, Minnesota, April 28, 2008. Invited lecture, Newkirk Center for Science and Society and the Center for Psychology and Law, University

of California, Irvine, May 28, 2008. Invited colloquium, Department of Psychology, UCLA, May 29, 2008. Steinberg, L. (June, 2008). Adolescent brain development: Its psychology and its relations to physiology,

anthropology, sociology, sex, crime, religion, and education. Invited plenary address, Jean Piaget Society, Quebec City. Steinberg, L. (July, 2008). A social neuroscience perspective on risk-taking in adolescence. Invited

presentation, Jacobs Foundation Forum on Youth, Berlin. Chassin, L., Dmitrieva, J., Knight, G., Modecki, K., Cauffman, E., Steinberg, L., & Losoya, S. (July, 2008).

Does adolescent alcohol and marijuana use suppress the development of psychosocial maturity? Paper presented as a part of a workshop entitled "Alcohol Use and Problems over Time: Latent Growth Curve Models in Alcohol Research," at the annual meeting of the Research Society on Alcoholism, Washington.

Steinberg, L. (August, 2008). Adolescent development, social policy, and the law: Lessons from a decade in the trenches. Presidential address, Division of Developmental Psychology, American Psychological Association annual meeting, Boston.

Invited testimony, Pennsylvania Senate Judiciary Committee, Harrisburg, Pennsylvania, September 22, 2008. Invited presentation, The World Bank, Washington, November 4, 2008. Invited presentation, Vulnerable Populations in the Juvenile Justice System: A Research & Policy Conference, Woodrow Wilson School of Public and International Affairs, Princeton University, November 14, 2008.

DiSorbo, A., Albert, D., O'Brien, L., Steinberg, L., & Chein, J. (November, 2008). Adolescent risk-taking: Socio-emotional neural system vulnerability to peer influence. Poster presented at the annual meeting of the Society for Neuroscience, Washington.

Invited keynote presentation, John D. and Catherine T. MacArthur Foundation Models for Change Annual Meeting, Washington, December 9, 2008.

Invited presentation, Conference on Translating Biobehavioral Models of Adolescent Risk to Prevention Science: From Development to Implementation, University of North Carolina at Greensboro, January 29, 2009.

Monahan, K., Steinberg, L., & Cauffman, E. (March, 2009). Age differences in peer selection, peer socialization, and offending: The role of resistance to peer influence. Paper presented at the annual meeting of the American Psychology-Law Society, San Antonio.

Invited colloquium, Sackler Institute for Developmental Psychobiology, Weill Medical College of Cornell University, March 26, 2009.

Hodgdon, H., & Steinberg, L. (April, 2009). The impact of child maltreatment and emotional regulation on mental health in a sample of juvenile offenders. Paper presented as part of a symposium entitled "Risk Factors for Antisocial Behavior: Gender Differences and Similarities" at the biennial meetings of the Society for Research in Child Development, Denver.

Chein, J., DiSorbo, A., Albert, D., O'Brien, L., Eagan, D., & Steinberg, L. (April, 2009). Neural markers of peer influence on adolescent risk taking. Paper presented as part of a symposium entitled "Neuroimaging Peer Relations in Adolescence: fMRI Studies of Peer Influence, Peer Evaluation, and Social Exclusion" at the biennial meetings of the Society for Research in Child Development, Denver.

Chair, organizer, and discussant, "Neuroimaging Peer Relations in Adolescence: fMRI Studies of Peer Influence, Peer Evaluation, and Social Exclusion." Symposium presented at the biennial meetings of the Society for Research in Child Development, Denver, April, 2009.

Dmitrieva, J., & Steinberg, L. (April, 2009). Services that work: In search of juvenile justice programs that reduce recidivism. Paper presented as part of a symposium entitled "Improving Functioning of Incarcerated Adolescents: Effectiveness of Formal and Informal Interventions" at the biennial meetings of the Society for Research in Child Development, Denver.

Steinberg, L., & Burchinal, M. (April, 2009). What matters most? Differential impact of early child care versus early parenting on adolescent functioning. Paper presented as part of a symposium entitled "Effects of Early Childcare and Parenting in Adolescence: New Results of The NICHD Study of Early Child Care and Youth Development" at the biennial meetings of the Society for Research in Child Development, Denver.

Vandell, D., Belsky, J., Burchinal, M., & Steinberg, L. (April, 2009). The NICHD Early Child Care Research Network Do Effects of Early Child Care Extend to Age 15 Years? Results from the NICHD Study of Early Child Care. Paper presented as part of a symposium entitled "Effects of Early Childcare and Parenting in Adolescence: New Results of The NICHD Study of Early Child Care and Youth Development" at the biennial meetings of the Society for Research in Child Development, Denver.

Booth-LaForce, C., Roisman, G., Susman, E., Barnett-Walker, K., Owen, M., Belsky, J., Bradley, R., Houts, R., Steinberg, L., & The NICHD Early Child Care Research Network. Early parenting and child-care antecedents of awakening cortisol levels in adolescence. Paper presented as part of a symposium entitled "Effects of Early Childcare and Parenting in Adolescence: New Results of The NICHD Study of Early Child Care and Youth Development" at the biennial meetings of the Society for Research in Child Development, Denver.

Belsky, J., Steinberg, L., Houts, R., & Halpern-Felsher, B. (April, 2009). The development of reproductive strategy in females: Harsh maternal control, early menarche, increased sexual risk taking. Paper presented as part of a symposium entitled "The Belsky, Steinberg, and Draper Evolutionary Theory of Socialization: Prospects and Pitfalls" at the biennial meetings of the Society for Research in Child Development, Denver.

Albert, D., O'Brien, L., DiSorbo, A., Uckert, K., Eagan, D., Chein, J., & Steinberg, L. (April, 2009). Peer influences on risk taking in young adulthood. Poster presented at the biennial meetings of the Society for Research in Child Development, Denver.

O'Brien, L., & Steinberg, L. (April, 2009). Predicting externalizing behavior across middle childhood: The role of planning. Poster presented at the biennial meetings of the Society for Research in Child Development, Denver.

Steinberg, L. (April, 2009). A social neuroscience perspective on adolescent risk-taking. Paper presented as part of a symposium entitled “Current Theories of Adolescent Risk Taking” at the biennial meetings of the Society for Research in Child Development, Denver.

Burchinal, M., McCartney, K., & Steinberg, L. (April, 2009). Examining the black-white achievement gap among low-income children in the NICHD Study of Early Child Care. Paper presented as part of a symposium entitled “Early Achievement Disparities by Race/Ethnicity and Social Class: Strengthening our Understanding of Process” at the biennial meetings of the Society for Research in Child Development, Denver.

Invited colloquium, Department of Psychology and Center for Drug Abuse Research Translation, University of Kentucky, April 16, 2009.

Invited speaker, U.S. House of Representatives Education and Labor Committee Briefing on Juvenile Justice Reauthorization, Washington, April 24, 2009.

Invited speaker, Conference on Learning and the Brain, Learning and the Brain Society, Washington, May 9, 2009.

Invited panelist, New York City Bar Association panel on “How Old is Too Young: Should New York Raise Its Age of Criminal Liability?” New York, May 14, 2009.

Steinberg, L. (August, 2009). Should the science of adolescent brain development inform public policy?

Invited award address for Distinguished Contributions to Research in Public Policy, American Psychological Association annual meeting, Toronto.

Invited lecture, Curry School of Education, University of Virginia, September 25, 2009. Invited presentation, inaugural meeting, Neuroscience and Public Health Initiative, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, October 2, 2009. Invited colloquium, Department of Psychology & Neuroscience, Duke University, October 16, 2009. Cherlin memorial lecture, Department of Psychology, Yale University, October 21, 2009. Boessen, A., Hipp, J., Cauffman, E., Fagan, J., & Steinberg, L. Youth transition and neighborhood effects: Residential instability among serious adolescent offenders. (November, 2009). Paper presented as a part of a symposium entitled “Linking the Micro to the Macro for Understanding Patterns of Crime,” at the annual meeting of the American Society for Criminology, Philadelphia.

Invited lecture, Harris School of Public Policy Studies, University of Chicago, February 25, 2010.

Maslowsky, J., Buvinger, E., Keating, D., & Steinberg, L. (March, 2010). Cost/benefit analysis mediation of the relationship between sensation seeking and risk behavior. Paper presented as part of a symposium titled “Why Do Risk Behaviors Increase During Adolescence? New Studies on Individual and Developmental Mechanisms” at the biennial meetings of the Society for Research on Adolescence, Philadelphia.

Keating, D., Houts, E., Steinberg, L., & Morrison, F. (March, 2010). Executive function and adolescent risk behavior in a national sample. Paper presented as part of a symposium titled “Why Do Risk Behaviors Increase During Adolescence? New Studies on Individual and Developmental Mechanisms” at the biennial meetings of the Society for Research on Adolescence, Philadelphia.

Discussant, “Why Do Risk Behaviors Increase During Adolescence? New Studies on Individual and Developmental Mechanisms.” Symposium presented at the biennial meetings of the Society for Research on Adolescence, Philadelphia, March, 2010.

Chair, “Using Propensity Score Matching to Control for Selection Effects in Research on Extracurriculars, Employment, and Media Exposure.” Symposium presented at the biennial meetings of the Society for Research on Adolescence, Philadelphia, March, 2010.

Steinberg, L. (March, 2010). Does Exposure to Sexy Media Lead Adolescents to Have Sex? A Reanalysis and a New Conclusion. Paper presented as part of a symposium titled “Using Propensity Score Matching to Control for Selection Effects in Research on Extracurriculars, Employment, and

Media Exposure” at the biennial meetings of the Society for Research on Adolescence, Philadelphia, March, 2010.

Hodgdon, H., & Steinberg, L. (March, 2010). The impact of emotional maltreatment on aggression in a sample of serious juvenile offenders. Poster presented at the biennial meetings of the Society for Research on Adolescence, Philadelphia.

O’Brien, L., & Steinberg, L. (March, 2010). Peer influence on delay discounting. Poster presented at the biennial meetings of the Society for Research on Adolescence, Philadelphia.

Discussant, “Family and Peer Relations in Adolescence: Insights from Developmental Social Neuroscience.” Symposium presented at the biennial meetings of the Society for Research on Adolescence, Philadelphia, March, 2010.

Chung, H., Mulvey, E., & Steinberg, L. (March, 2010). Neighborhood context and depressive symptoms: A focus on serious juvenile offenders. Paper presented as a part of a symposium titled “Neighborhood Influences on Adolescent Mental Health and Behavior: A Dynamic, Process-Oriented Perspective” at the biennial meetings of the Society for Research on Adolescence, Philadelphia, March, 2010.

Cauffman, E., Boessen, A., Hipp, J., Fagan, J., & Steinberg, L. (March, 2010). The Impact of Residential Instability on Juvenile Offending. Paper presented as a part of a symposium titled “Neighborhood Influences On Adolescent Mental Health And Behavior: A Dynamic, Process-Oriented Perspective” at the biennial meetings of the Society for Research on Adolescence, Philadelphia, March, 2010.

Albert, D., Steinberg, L., & Banich, M. (March, 2010). Age differences in strategic planning as indexed by the Tower of London. Paper presented as part of a symposium titled “Immature, Impetuous, and Imprisoned: Examining the Relation Between Psychosocial Capacities and Antisocial Tendencies” at the biennial meetings of the Society for Research on Adolescence, Philadelphia.

Grand rounds, Department of Psychiatry, Temple University, March 17, 2010. Invited colloquium, Carolina Consortium on Human Development, Center for Developmental Science,

Chapel Hill, March 22, 2010. Invited colloquium, Institute for the Study of Child Development, Robert Wood Johnson Medical School,

New Brunswick, April 15, 2010. Invited speaker, conference on “Creating Capabilities: Sources and Consequences for Law and Social Policy,”

University of Chicago School of Law, April 23-24, 2010. Steinberg, L. Why adolescents make risky decisions. Invited keynote address, 36th Annual School on

Addictions and Behavioral Health, Alaska Addictions Professional Association, Anchorage, May 4, 2010. Steinberg, L. Understanding adolescent brain development. Invited workshop, 36th Annual School on

Addictions and Behavioral Health, Alaska Addictions Professional Association, Anchorage, May 4, 2010. Invited presentation, State of Alaska Division of Juvenile Justice, McLaughlin Youth Center, Anchorage, May

4, 2010. Albert, D., & Steinberg, L. (May, 2010). Resistance to peer influence moderates pathways from parental

monitoring to early adolescent risk behavior. Paper presented as a part of a symposium entitled “Adolescents at Risk: Examining Variables that Predict Sex, Drug Use, and Self-Injury” at the annual meeting of the Association for Psychological Science, Boston.

Steinberg, L. (May, 2010). Peer influences on adolescent risk-taking: A social neuroscience perspective. Invited presentation, Association for Psychological Science, Boston.

Invited presentation, “Workshop on Development as Action in Context,” German Psychological Association, Dornburg, Germany, June 16-18, 2010

Invited presentation, Corporate Alliance for Drug Education (CADE), Philadelphia, June 3, 2010.

Invited lecture, "Workshop on Development as Action in Context," German Psychological Association, Dornburg, Germany, June 16-18, 2010.

Invited participant, National Institute of Child Health and Human Development conference on Cognition, Brain Function, and Learning in Incarcerated Youth. Rockville, MD, July 22-23, 2010.

Distinguished faculty lecture, Center for the Humanities at Temple (CHAT), Temple University, September 23, 2010.

Invited lecture, Center for Neuroscience and Society and Department of Psychology, University of Pennsylvania, Philadelphia, October 7, 2010.

Invited campus-wide lecture, Mercyhurst College, Erie, PA, October 19, 2010.

Invited keynote address, Mercyhurst Criminal Justice Conference: Minor Problems, Major Impact: Juveniles in the Adult System, Erie, PA, October 20, 2010.

Invited plenary, Third Annual El Paso County Mental Health Law Conference: Understanding Developmental and Mental Health Issues in Adolescents and Young Adults Who are in the System, El Paso, TX, October 29, 2010.

Invited presentation, Parents of Students of Phillips Academy, Andover, MA, November 9, 2010.

Invited keynote presentation, Wellness Week, Phillips Andover Academy, Andover, MA, November 10, 2010.

Invited speaker, Citizens for Juvenile Justice Leadership Celebration, Boston, December 2, 2010.

Invited participant, symposium on "Research Frontiers in Human Development," The Jacobs Foundation, Zurich, December 3, 2010.

Invited keynote presentation, Conference on Waiver of Juveniles to Adult Court, Woodrow Wilson School of Public and International Affairs, Princeton University, December 10, 2010.

Invited NIDA plenary speaker, Joint Meeting on Adolescent Treatment Effectiveness, Baltimore, December 15, 2010.

Invited presentation, The Second Raymond and Beverly Sackler U.S.A.-U.K. Scientific Forum: Neuroscience and The Law, The National Academy of Sciences/The Royal Society, Irvine, March 3, 2011.

Invited plenary speaker, Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, March 4, 2011.

Monahan, K., Cauffman, E., & Steinberg, L. (April, 2011). Developmental differences in impulse control and antisocial behavior from adolescence to early adulthood. Paper presented as part of a symposium entitled "Individual Differences in Change in Impulsivity-Like Constructs from Childhood into Adolescence: Associations with Risky Behaviors" at the biennial meetings of the Society for Research in Child Development, Montreal.

Albert, D., Chein, J., Uckert, K., O'Brien, L., & Steinberg, L. (April, 2011). Task-dependent differences in the influence of peers on adolescent decision-making and reward processing. Paper presented as part of a symposium entitled "Self-Regulation During Adolescence: Neurobiological Mechanisms and Clinical Implications" at the biennial meetings of the Society for Research in Child Development, Montreal.

Keating, D., Houts, R., Morrison, F., & Steinberg, L. (April, 2011). Executive functioning and cognitive outcomes during adolescence. Paper presented as part of a symposium entitled "Executive Functioning, Psychosocial Development, and Adolescent Risk-Taking" at the biennial meetings of the Society for Research in Child Development, Montreal.

Invited speaker, conference on Adolescence: Exploration and Self-Regulation of the Unknown, Jacobs Foundation Conference, Marbach, Germany, April 6-8, 2011.



Invited speaker, conference on Children's Health: Critical Issues in Childhood Psychological Development and Social Well-Being, Advocates for Children of New Jersey, East Windsor, New Jersey, April 13, 2011.

Steinberg, L. (September, 2011). Adolescent development and juvenile justice. Breiland Lecture, University of Illinois School of Social Work, Champaign, Illinois.

Invited colloquium, NY/NJ Developmental Colloquium Series, New York University, September 29, 2011. Steinberg, L. (October, 2011). Why adolescents take risks. Harrington Distinguished Visiting Professor

Lecture, Department of Psychology, Baldwin-Wallace College, Berea, Ohio. Invited colloquium, Department of Psychology, Baldwin-Wallace College, Berea, Ohio, October 7, 2011. Invited colloquium, Department of Applied Psychology, New York University, October 12, 2011. Invited plenary speaker, Cognitive Development Society, Philadelphia, October 15, 2011. Distinguished speaker, Department of Psychology, University of California, Davis, October 20, 2011. Invited colloquium, Parents Translational Research Center, University of Pennsylvania, Philadelphia, October 31, 2011. Henry and Bryna David Lecture, National Academy of Sciences, November 3, 2011. Invited colloquium, Neuroscience and Public Policy Seminar Series, University of Wisconsin, Madison, November 9, 2011. Morrison, A., Heimberg, R., & Steinberg, L. (November, 2011). Voluntary attentional control moderates the

development of anxiety in youth. Paper presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Toronto. Smith, A., Chein, J., & Steinberg, L. (November, 2011).

Developmental differences in reward processing in the presence of peers. Paper presented at the annual meeting of the Society for Neuroscience, Washington. Invited presentation, New York State Judicial Institute, White Plains, NY, December 8, 2011. Smith, A., Chein, J., Weigard, A., & Steinberg, L. (March, 2012). Influence of peers on the calculation of risk

in a probabilistic gambling task. Paper presented as a part of a symposium entitled "Factors Affecting Susceptibility to Peer Influence on Risky Behavior: The Role of Puberty, Situational Context, and Parenting" at the biennial meeting of the Society for Research on Adolescence, Vancouver.

Monahan, K., Cauffman, E., Steinberg, L., & Mulvey, E. (March, 2012). Patterns of antisocial behavior from adolescence to early adulthood: The development of psychosocial maturity. Paper presented as a part of a symposium entitled "Pulling Themselves Up or Getting Dragged Down: Diverse Pathways in Adolescent Risk-Taking" at the biennial meeting of the Society for Research on Adolescence, Vancouver.

Steinberg, L. (March, 2012). Toward a positive psychology of adolescence. Paper presented as a part of a symposium entitled "Positive Adolescent Health" at the biennial meeting of the Society for Research on Adolescence, Vancouver.

Steinberg, E., Kern, M., & Steinberg, L. (March, 2012). Positive psychological well-being as a predictor of adolescents' physical health. Paper presented as a part of a symposium entitled "Positive Adolescent Health" at the biennial meeting of the Society for Research on Adolescence, Vancouver.

Kretsch, N., Polk, R., Harden, K.P., & Steinberg, L. (March, 2012). Peer influence on risky decision-making: The role of pubertal status. Poster presented at the biennial meeting of the Society for Research on Adolescence, Vancouver.

Wurster, T., & Steinberg, L. (March, 2012). Gender differences and predictors of romantic conflict in adolescent relationships. Poster presented at the biennial meeting of the Society for Research on Adolescence, Vancouver.

Discussant, Symposium entitled "Should I Stay or Should I Go?: Social Influences on Risk-Taking in Adolescence and Early Adulthood at Neural and Behavioral Levels" at the biennial meeting of the Society for Research on Adolescence, Vancouver, March, 2012.

Invited colloquium, Institute of Human Development and Behavior Change Research Network, University of California, Berkeley, March 12, 2012.

Invited colloquium, Department of Education, University of California, Irvine, March 15, 2012. Albert, D., Chein, J., Smith, A., Uckert, K., & Steinberg, L. (March, 2012). The future is now: Differences between adolescents and adults in neural and behavioral markers of intertemporal choice evaluation. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Chicago. Invited speaker, Columbia Population Research Center, Columbia University, April 12, 2012. Invited speaker, Trends In Adolescent Brain Development: Implications For Youth Practice And Policy, University of Minnesota Extension, St. Paul, MN, April 17, 2012. Invited speaker, Promoting Positive Development in the Third Decade of Life: A Multidisciplinary and International Conference. Center for the Advanced Study in the Behavioral Sciences, Stanford University, Stanford, CA, June 3-6, 2012. Invited plenary address, annual meeting of the American Psychological Association, Orlando, Florida, August 3, 2012. Invited participant, Symposium entitled “Adolescent Culpability and the Supreme Court—Challenges to the Use of Social Science in Advocacy,” annual meeting of the American Psychological Association, Orlando, August, 2012. Distinguished speaker, Institute of Cognitive Science, Colorado University, September 27-28, 2012. Invited presentation, Germantown Academy, Philadelphia, October 9, 2012. Invited lecture, Criminology Lecture Series, University of Texas, Dallas, October 11, 2012. Invited keynote presentation, Adolescent Brain Development and Trauma: Moving from Theory to Action, Casey Family Programs, Philadelphia, October 15, 2012. Smith, A., Chein, J., & Steinberg, L. (October, 2012).

Invited lecture, Calleva Research Symposium on Evolution and Human Science, Calleva Research Centre, Magdalen College, University of Oxford, October 27, 2012.

Grand rounds, Department of Pediatrics, Cooper Medical School of Rowan University, Camden, New Jersey, October 31, 2012.

Invited speaker, Ciudad de Las Ideas, Puebla, Mexico, November 9, 2012. Invited presentation, Lower Merion School District, Ardmore, Pennsylvania, November 11, 2012. Invited lecture, University of Minnesota Consortium on Law and Values, University of Minnesota School of Law, November 15, 2012. Invited lecture, Program in Law, Psychology, and Human Development, Cornell University, November 30, 2012. Invited presentation, 7th Annual Models for Change National Conference, Washington, December 4, 2012. Invited presentation, National Scientific Council on the Developing Child, Washington, December 6, 2012. Invited presentation, Casey Family Foundation Board of Trustees, Seattle, February 21, 2013. Invited lecture, Allen L. Edwards Psychology Lecture Series, University of Washington, Seattle, February 27, 2013. Invited presentation, Colloquium on Law, Neuroscience, and Criminal Justice, Stanford Law School, March 14, 2013. Thornton, L., Frick, P., Ray, J., Cauffman, E., & Steinberg, L. (March, 2013). Adolescents with callous unemotional traits and their roles in group crime and non-detected offending. Paper presented at the annual meeting of the American Psychology-Law Society, Portland, Oregon. Ray, J., Frick, P., Thornton, L., Cauffman, E., & Steinberg, L. (March, 2013). Callous-unemotional traits distinguish subgroups of offenders among a sample of justice involved males: A latent class analysis. Paper presented at the annual meeting of the American Psychology-Law Society, Portland, Oregon. Peer influences on the integration of reward valuation and impulse control processes during adolescence. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans.

Cavanagh, C., Cauffman, E., Frick, P., & Steinberg, L. (March, 2013). Like mother, like son: Attitudes and antisocial behavior. Paper presented at the annual meeting of the American Psychology-Law Society, Portland, Oregon.

Thomas, A., Cauffman, E., Frick, P., & Steinberg, L. (March, 2013). Effects of probation officer monitoring on juvenile offending: Influence of justice system attitudes. Paper presented at the annual meeting of the American Psychology-Law Society, Portland, Oregon.

Invited colloquium, Committee on Education and Center for Human Potential and Public Policy, University of Chicago, April 2, 2013.

Discussant, symposium entitled "Examining Peer Influences on Adolescent Health Risk Behaviors: Behavioral Neuroscience, Genetic, and Socio-Contextual Perspectives," presented at the biennial meeting of the Society for Research in Child Development, Seattle, April, 2013.

Discussant, symposium entitled "When is Adolescent Decision-Making Risky and Why? Evidence from Behavioral and Neuroimaging Studies," presented at the biennial meeting of the Society for Research in Child Development, Seattle, April, 2013.

Cauffman, E., Cavanagh, C., & Steinberg, L. (April, 2013). Family matters: Taking stock of school discipline and arrest. Paper presented as a part of a symposium entitled "The School-to-Prison Pipeline: Pathways Between School, Arrest, and Detention," presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Benson, L., Kern, M., Steinberg, E., & Steinberg, L. (April, 2013). An integrative approach to studying positive psychological and physical health from adolescence into adulthood. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Bodie, J., Drabick, D., & Steinberg, L. (April, 2013). Risk for antisocial behavior among adolescents and young adults: The mediating role of psychosocial maturity. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Weigard, A., Chein, J., Albert, D., Smith, A., & Steinberg, L. (April, 2013). Effects of peer presence on delay discounting in late adolescents: replication using an anonymous peer paradigm. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Shields, B., Drabick, D., & Steinberg, L. (April, 2013). Impact of anxiety symptoms on the relation between deviant peer behavior and alcohol use among adolescent offenders. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Chair, Paper session entitled "Paper Session: Individual and Contextual Predictors of Adolescent and Early Adulthood Risk Behaviors" presented at the biennial meeting of the Society for Research in Child Development, Seattle, April, 2013.

Hampton, A., Drabick, D., & Steinberg, L. (April, 2013). Psychopathy and intelligence: predictors of juvenile aggressive and income offending during a three-year follow-up period. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Invited plenary presentation, SRCD Teaching Institute, biennial meeting of the Society for Research in Child Development, Seattle, April, 2013.

Invited speaker, SRCD preconference on evolutionary psychology, biennial meeting of the Society for Research in Child Development, Seattle, April, 2013.

Invited colloquium, Department of Psychology, UCLA, April 29, 2013. Invited keynote, Teenwise Minnesota 22nd Annual Conference, St. Paul, Minnesota, May 3, 2013. Thornton, L., Ray, J., Frick, P., Kahn, R., Cauffman, E., & Steinberg, L. The role of callous-unemotional traits in processing decision for first-time offenders. Poster presented at the annual meeting of the Society for the Scientific Study of Psychopathy, San Francisco, September, 2013. Potter, C., Steinberg, L., & Harden, P. "Hooking up" in high school: Implications for future relationship satisfaction and depressive symptoms. Poster presented at the annual meetings of ABCT, Nashville, November, 2013.

## Undergraduate and Graduate Courses Taught

*Cornell University* (1976-77) Adolescence and Adulthood Adolescence in Modern Society

*University of California, Irvine* (1977-83) Introduction to Human Behavior Human Development Over the Life-Cycle Abnormal Behavior

Adolescent Development Perspectives on Child Rearing Seminar in Human Development (Graduate)

## TEACHING

*University of Wisconsin--Madison* (1983-88) Development from Middle Childhood to Late Adulthood Adolescent Development in Social Context Adolescence, Family, and Work (Graduate) Adolescence and the Family (Graduate) The Family at Mid-Life (Graduate) Interdisciplinary Perspectives on Adolescent Development (Graduate)

*Temple University* (1988-) Introduction to Psychology (Developmental Psychology Unit) Developmental Research Methods Adolescent Development Capstone Course in Psychology Core Course in Developmental Psychology (Graduate) Developmental Research Methods (Graduate) Seminar in Socioemotional Development (Graduate) Seminar in Adolescent Development (Graduate) Seminar in Developmental Psychopathology (Graduate)

Supervision of Master's Students (Committee Chair/Thesis Advisor)

Raymond Aguilar (1980). "Value Systems, Attitudes, and the Effects of Job Experiences: A Comparison Between Mexican-American and Anglo-American Youngsters." Program in Social Ecology, University of California, Irvine.

Deborah Ogawa (1980). "Environmental Correlates of Classroom Aggression." Program in Social Ecology, University of California, Irvine.

Pamela Adelman (1982). "Achievement Attributions and Sex-Role Stereotypes." Program in Social Ecology, University of California, Irvine.

Christine Jackson (1984). "Measurement of Coronary Prone Behavior in Children." Program in Social Ecology, University of California, Irvine.

Ronald Saletsky (1986). "Adolescent Decision-Making Autonomy and Parent-Adolescent Conflict." Department of Child and Family Studies, University of Wisconsin--Madison.

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Dorian Schattell (1986). "Child Development Knowledge and Punitiveness in College Students." Department of Child and Family Studies, University of Wisconsin--Madison.

Layli Phillips (1990). "Ethnic Identity and Adjustment in Adolescence." Department of Psychology, The Pennsylvania State University.

He Len Chung (2000). "Investigating Violent and Nonviolent Criminal Offending Across Gender: Pre-/Perinatal Disturbances and Familial Factors as Predictors." Department of Psychology, Temple University.

Lori Siegel (2000). "The Utility of a Checklist Versus the PACE/LEDS Interview in the Prediction of Children's Behavioral and Emotional Problems." Department of Psychology, Temple University.

Jennifer Silk (2000). "The Interaction Between Parenting And Temperament In The Prediction Of Child Psychopathology: A Replication Using The Child's Perspective." Department of Psychology, Temple University.

Jessica Keyser (2006). "The Impact of Ethnicity, Socioeconomic Status, Sexual Attraction, and Family Structure on Dieting Among Adolescent Girls in the Add Health Study." Department of Psychology, Temple University.

Hilary Hodgdon (2006). "The Impact of Childhood Sexual Abuse, Physical Abuse, and Neglect on Adolescent Psychological Functioning and the Effects of Supportive Peer Relationships. Department of Psychology, Temple University.

Cheryl Testa (2006). "Depression And Health Risk-Taking During Adolescence." Department of Psychology, Temple University.

Supervision of Doctoral Students (Committee Chair/Dissertation Advisor)

Susan (Silverberg) Koerner (1986). "Psychological Well-Being of Parents with Early Adolescent Children." Dept. of Child and Family Studies, University of Wisconsin--Madison.

Marguerite Clark (1987). "Patterns of Friendship among Middle-Aged Adults." School of Social Sciences, University of California, Irvine.

David Norton (1988). "Adolescent Autonomy and Family Cohesion During Early Adolescence." Department of Child and Family Studies, University of Wisconsin--Madison.

Julie Elmen (1988). "Achievement Orientation in Early Adolescence: Social Correlates and Developmental Patterns." Department of Child and Family Studies, University of Wisconsin—Madison.

Karen Bogenschneider (1990). "Maternal Employment and High School Achievement: Mediators, Moderators, and Developmental Effects." Department of Child and Family Studies, University of Wisconsin--Madison.

Nina Mounts (1990). "Peer Influence in Adolescence: An Ecological Approach." Department of Child and Family Studies, University of Wisconsin--Madison.

Lance Weinmann (1991). "Patterns of Change in Middle Adolescent Adjustment: The Role of Relationships with Parents and Peers." Department of Psychology, Temple University. (Winner of the 1991 Georgoudi Dissertation Prize given by the Temple University Department of Psychology.)

Frances Sessa (1991). "Family Structure, Parenting, and Adolescent Adjustment." Department of Psychology, Temple University.

Marcy Gringlas (1994). "Parent-Adolescent Interaction in Homes of Depressed Mothers." Department of Psychology, Temple University.

Aaron Hogue (1994). "Peer Influences on Adolescent Depression." Department of Psychology, Temple University.

Layli Phillips (1994). "Psychological Adjustment and Identity Development Among Biethnic Adolescents." Department of Psychology, Temple University.

Anne Fletcher (1994). "Psychosocial Influences on Academic Success of African-American Adolescents." Department of Psychology, Temple University.

Doris Sasse (1995). "Personality Features, Familial Characteristics, Heterosocial Relations, and Body Fat as Risk Factors for Eating Disorder Symptoms in Early Adolescence: A Causal Modeling Analysis." Department of Psychology, Temple University.

Audrey Gennes (1996). "Homophily of Disordered Eating in Middle School Peer Groups." Department of Psychology, Temple University.

Elizabeth Cauffman (1996). "Maturity of Judgment in Adolescence: Psychosocial Factors in Adolescent Decision-Making." Department of Psychology, Temple University.

Mitchell Greene (1997). "Psychological Adjustment of Hispanic-American Adolescents." Department of Psychology, Temple University.

Suzanne Fegley (1997). "False Self Presentation in Early Adolescence." Department of Psychology, Temple University.

Michele Reimer (1997). "The Development of Shame in Early Adolescence." Department of Psychology, Temple University. (Winner of the 1997 Page Award for Research on Personality and Psychopathology and the 1997 Georgoudi Dissertation Prize, both given by the Temple University Department of Psychology.)

Victoria Green (1997). "Maternal Employment and Adolescent Adjustment." Department of Psychology, Temple University.

Jennifer Shukat Rosenau (1998). "Familial Antecedents of Academic Difficulties Among Disadvantaged High School Youth." Department of Psychology, Temple University.

Shelli Avenevoli (1998). "The Continuity of Depression from Childhood to Adolescence." Department of Psychology, Temple University.

Thomas Hecker (1998). "Uses of Mental Health Evaluations in the Juvenile Justice System." Department of Psychology, Temple University. (Winner of the 1998 Georgoudi Dissertation Prize given by the Temple University Department of Psychology.)

Amanda Sheffield Morris (2000). "Familial Influences on Emotion Regulation in Early Childhood." Department of Psychology, Temple University. (Winner of the 2000 Georgoudi Dissertation Prize given by the Temple University Department of Psychology.)

Marjory Roberts Gray (2001). "Development of Romantic Relationships in Adolescence." Department of Psychology, Temple University.

Michael Fraser (2001). "An Examination of the Specificity of the Link Between Stress and Disorder Using the Adolescent Life Events and Difficulties Schedule." Department of Psychology, Temple University.

Amy Sugarman (2001). "Peer Influences on Adolescent Girls' Eating Behavior and Attitudes: A Grounded Theory Approach." Department of Psychology, Temple University.

Jennifer Silk (2002). "Emotion Regulation in the Daily Lives of Adolescents: Links to Adolescent Adjustment." Department of Psychology, Temple University. (Winner of the 2002 Georgoudi Dissertation Prize given by the Temple University Department of Psychology and runner-up for the 2004 Hershel Thornburg Dissertation Award given by the Society for Research on Adolescence.)

He Len Chung (2004). "Family, Peer, and Neighborhood Influences on Desistance Among Serious Juvenile Offenders." Department of Psychology, Temple University.

Lori Siegel (2004). "Peer Relationships and Depression in Adolescence." Department of Psychology, Temple University.

Margo Noel Gardner (2005). "A Typology of Serious Juvenile Offenders." Department of Psychology, Temple University. (Winner of the 2006 Hershel Thornburg Dissertation Award given by the Society for Research on Adolescence.)

Michelle Little (2005). "Formal Legal Sanctions and Adolescent Social Development: Social Disruption and Iatrogenic Influence within Secure Juvenile Settings." Department of Psychology, Temple University.

Joanna Lee (2008). "Black Youth And The Boys In Blue: Associations Between Police Treatment, Mental Health And Ethnic Identity In African American Juvenile Offenders." Department of Psychology, Temple University.

Kathryn Monahan (2008). "The Development Of Social Competence From Early Childhood Through Middle Adolescence: Continuity And Accentuation Of Individual Differences Over Time." Department of Psychology, Temple University. (Winner of the 2010 Dissertation Award from Division 7 of the American Psychological Association.)

Hilary Hodgdon (2009). "Child Maltreatment and Aggression: The Mediating Role of Moral Disengagement, Emotion Regulation, and Emotional Callousness among Juvenile Offenders." Department of Psychology, Temple University.

Dustin Albert (2011). "Neurodevelopmental Substrates of Peer Influences on Adolescents' Choice Evaluation and Decision Making." Department of Psychology, Temple University.

Supervision of Postdoctoral Fellows

Susie Lamborn, Ph.D. (University of Wisconsin, 1986-1989) Nancy Darling, Ph.D. (Temple University, 1990-1993) Frances Sessa, Ph.D. (Temple University, 1995-1998) Joanna Lapkin, Ph.D. (Temple University, 1996-1998) Thomas Hecker, Ph.D. (Temple University, 1999-2003) Lela Rankin, Ph.D. (Temple University, 2006-2008)  
 Julia Dmitrevia, Ph.D. (Temple University, 2006-2008) Nicole Strang, Ph.D. (Temple University, 2011-2013) Elizabeth Shulman, Ph.D. (Temple University, 2012-)  
*University of California, Irvine*  
 Committee on Courses (1982-83)

## **UNIVERSITY-LEVEL SERVICE**

*University of Wisconsin--Madison* (1983-88) Executive Committee, Institute on Aging (1983-86) University Senate (1984-86) Chancellor's Search Committee for Dean of the School of Family Resources and Consumer Sciences (1984-85) Vice-Chancellor's Committee to Review Child and Family Studies Doctoral Program (1985-86) Graduate School Research Committee (1986-88)  
*Temple University* (1988-) Invited Participant, Faculty Senate Forum on the Future of Temple University (1991) College of Arts and Sciences Committee on Interdisciplinary Activities (1991-92) Director, Division of Developmental Psychology, Department of Psychology (1991-94) Chair, Personnel Committee, Department of Psychology (1992-93, 1995-96, 2005-06) Awards Committee, College of Arts and Sciences (1993-96) (Chair, 1994-95) Provost's Committee on Strategic Planning for Girard College (1994) Executive Committee, College of Arts and Sciences (1994-96) Chair, Graduate Board, Department of Psychology (1994-99, 2001-07) Great Teachers Award Committee (1995-97) Graduate Committee, College of Arts and Sciences (1996-97) Provost's Academic Planning Priorities Committee (1996-97) University Affirmative Action Committee (1997-99) Presentation of Camille Cosby for honorary degree at commencement (1997) Commencement Address, President's Scholars Commencement (1998) Exceptional Salary Adjustment Award Committee (1999-) Commencement Marshal (1999-2002) Research Policies Advisory Committee, College of Liberal Arts (2001) Symposium Planning Committee, Center for Public Policy (2001) Search Committee for Vice-President for Research and Dean of the Graduate School (2001-02) Internal Research Advisory Committee of the Vice-Provost for Research (2001-04) Co-Chair, Million Dollar Club (2004-05) Graduate Committee, College of Liberal Arts (2005-06) Search Committee for Vice President for Research and Strategic Planning (2007-08) Budget Priorities Committee, College of Liberal Arts (2008-2011) Chair, Provost's Research Review Committee (2009-) Search Committee for Senior Vice-Provost for Research Administration and Graduate Education (2009-10)

## CURRICULUM VITAE

**Jason M. Chein**

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URL: <http://www.temple.edu/tunl>

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### **Positions and Academic History:**

- 2006-            Temple University, Philadelphia, PA  
Assistant Professor, Department of Psychology
- 2006-            Princeton University, Princeton, NJ  
Visiting Researcher, Center for the Study of Brain, Mind, & Behavior
- 2004-2005      Princeton University, Princeton, NJ  
Postdoctoral Fellow, Center for the Study of Brain, Mind, & Behavior
- 2001-2004      Univ. of Pittsburgh, Pittsburgh, PA  
Ph.D., Cognitive Psychology  
Center for the Neural Basis of Cognition (Carnegie Mellon Univ./ Univ. of Pittsburgh)  
Dissertation: *Evaluating alternative models of working memory with neuroimaging*
- 2002            Chatham College, Pittsburgh, PA  
Adjunct Faculty Member, Department of Biology
- 1997-2001      University of Pittsburgh, Pittsburgh, PA  
M.S., Cognitive Psychology  
Center for the Neural Basis of Cognition (Carnegie Mellon Univ./ Univ. of Pittsburgh)  
Thesis: *Evidence of a domain general learning network: An FMRI investigation with verbal and nonverbal paired-associates*
- 1992-1997      Temple University, Philadelphia, PA  
B.A., (Summa Cum Laude)  
Majors in Psychology & Computer Science, minor in Cognitive Neuroscience

### **Fellowships, Awards, and Honors:**

- 2001    Tim Post Award For Research Excellence (University of Pittsburgh)
- 2001    Temple University Alumni Gallery of Success (Temple University)
- 2000    Trainee Travel Award, Organization for Human Brain Mapping
- 1998    Center for the Neural Basis of Cognition Fellowship (National Science Foundation)
- 1998    National Science Foundation Graduate Student Fellowship, Honorable Mention
- 1997    College of Arts & Sciences Graduation Ceremony Speaker (Temple University)
- 1997    President's Scholar (Temple University)



- 1997 Phi Beta Kappa National Honor Society
- 1997 General Alumni Award For Academic Achievement (Temple University)
- 1997 Clifford M. Klinger Scholarship For Outstanding Work In Psychology (Temple University)
- 1996 Jerry Zaslow Award For Achievement in Academics and Service (Temple University)

### **Professional Memberships:**

- 1997-present Cognitive Neuroscience Society
- 1997-present Society for Neuroscience
- 2006-present American Psychological Association
- 2007-present Organization for Human Brain Mapping

### **Professional Activities:**

Review Editor, *Frontiers in Human Neuroscience*

### **Ad-hoc Reviews**

*Cognitive Brain Research, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: Applied, Nature Neuroscience, Neuroimage, Neuropsychologia, Psychological Review, Psychonomic Bulletin and Review, Trends in Cognitive Science*

### **Research Support (Active)**

NIH R21 DA022546-01 (PI: Steinberg, \$999,315) 9/30/2006 - 8/31/2010  
 Peer Effects on Neural and Behavioral Markers of Risk-Taking in Adolescence  
 Role: Co-Principal Investigator

NSF SLC SBE-0541957 (PI: Newcombe, \$15,396,421) 9/23/2006 – 9/22/2016  
 Spatial Intelligence and Learning Center  
 Role: Co-Investigator

NIH R01 MH059256-06 (PI: Fiez, \$1,469,319) 6/1/2000 -12/31/2010  
 Articulatory/Phonological Processes in Working Memory  
 Role: Consultant

### **Peer-Reviewed Publications:**

**Chein, J.M.**, & Fiez, J.A. (in press). Evaluating models of working memory: fMRI and behavioral evidence on the effects of concurrent irrelevant information. *Journal of Experimental Psychology: General*.

**Chein, J.M.** & Schneider, W. (2005). Neuroimaging studies of practice-related change: fMRI and meta-analytic evidence of a domain-general control network for learning. *Cognitive Brain Research*, 25(3), 607-623.

Ravizza, S.M., Delgado, M.R., **Chein, J.M.**, Becker, J.T., & Fiez, J.A. (2004). Functional dissociations within the inferior parietal cortex in verbal working memory. *Neuroimage*, 22(2), 562-573.

**Chein, J.M.**, Ravizza, S.M., & Fiez, J.A. (2003). Using neuroimaging to evaluate alternative models of working memory and their implications for language processing. *Journal of Neurolinguistics*, 16(4-5), 315-339.

Schneider, W. & **Chein, J.M.** (2003). Controlled and automatic processing: Behavior, theory, & biology. *Cognitive Science*, 27, 525-559.

**Chein, J.M.**, Fissell, K., Jacobs, S., & Fiez, J.A. (2002). Functional heterogeneity within Broca's area during verbal working memory. *Physiology & Behavior*, 77, 635-639.

**Chein, J.M.** & Fiez, J.A. (2001). Dissociation of verbal working memory system components using a delayed serial recall task. *Cerebral Cortex*, 11(11), 1003-1014.

#### **Manuscripts under review and in revision:**

**Chein, J.M.** & Morrison, A.B. (under review). Expanding the mind's workspace: Training and transfer effects with a complex working memory span task.

**Chein, J.M.**, Moore, A.B., Conway, A.R.A. (under review). Domain general mechanisms of active maintenance and serial recall in a complex working memory span task.

**Chein, J.M.**, Weisberg, R.W., Streeter, N., & Kwok, S. (under review). Working memory and insight in the 9-dot problem.

Guiediche, S., **Chein, J.M.**, & Fiez, J.A. (under review). Similarity effects and working memory: Evidence for a revised model of rehearsal.

Berryhill, M.E., **Chein, J.M.**, Olson, I.R. (under review). At the intersection of attention and memory: the mechanistic role of the posterior parietal lobe in working memory.

#### **Manuscripts in preparation:**

Eagan, D.E. & **Chein, J.M.**, (in preparation). Revisiting the between-stream phonological similarity effect.

**Chein, J.** & Schneider, W. (in preparation). Learning in a triarchic brain.

O'brien, L., Albert, D., **Chein, J.M.**, & Steinberg, L. (in preparation). A peer influence on the subjective value of monetary offers in young adults.

**Chein, J.**, Villagomez, A., Morrison, A. (in preparation). Irrelevant speech effects without rehearsal.

Li, R., Megalooikonomou, V., Mohamed, F., **Chein, J.**, & Faro, S. (in preparation). fMRI time series clustering and analysis based on data mining methods.

#### **Book Chapters:**

Moscovitch, M., **Chein, J.**, Talmi, D., & Cohn, M. (2007). Learning, Memory, & Knowledge. In *Cognition, Brain, & Consciousness*. B. Baars & N. Gage (Eds.). Elsevier Science, Amsterdam.

**Chein, J.M.**, St. James, J.D., & Schneider, W. (2005). Working memory and fMRI. In *PsychMate: A Student Guide to Experimental Psychology*. J. St. James and W. Schneider (Eds.). PST, Pittsburgh.

**Chein, J.M.** & Schneider, W. (2003). Designing effective fMRI experiments. In *The Handbook of Neuropsychology*, Vol. 9. J. Grafman and I. Robertson (Eds.). Elsevier Science, Amsterdam.

**Published Conference Proceedings/Abstracts:**

**Chein, J.**, DiSorbo, A., Uckert, K., Eagan, D.E., & Steinberg, L. (2009). Neural Markers of a Peer Influence on Adolescent Risk Taking. Presentation given at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Uckert, K., DiSorbo, A., **Chein, J.**, & Steinberg, L. (2009). Delay and Probability Discounting with Relation to Socioeconomic Status and Working Memory. Presented at the annual meeting of the Temple University Research Forum, Philadelphia, PA.

Albert, D., O'Brien, L., DiSorbo, A., Uckert, K., Eagan, D.E., **Chein, J.**, & Steinberg, L. (2009). Peer influences on risk taking in young adulthood. Presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

**Chein, J.M.**, Weisberg, R.W., Streeter, N., Kwok, S. (2009). Working memory and insight. Presented at the annual meeting of the Eastern Psychological Society, Pittsburgh, PA.

Conway, A. & **Chein, J.M.** (2007). On the Structure of Working Memory. Published in special issue of *Neuroimage* for the 12th annual Human Brain Mapping conference, Chicago.

Guediche, S., **Chein, J.**, Fiez, J. (2005). Dissociating articulatory and phonemic contributions to the "phonological" similarity effect. *Journal of Cognitive Neuroscience*, Supplement, 142-142.

Schneider, W. & **Chein, J.** (2003). Cortical network support for control processing and the development of automaticity. Published in the special issue of *Neuroimage* for the 9<sup>th</sup> annual Human Brain Mapping conference, New York.

Drobyshevsky, A., Baumann, S., Ruth, R., **Chein, J.**, & Schneider, W. (2002). Normative data from an fMRI cognitive task battery. Published in the special issue of *Neuroimage* for the 8<sup>th</sup> annual Human Brain Mapping conference, Sendai, Japan.

**Chein, J.M.**, Fissell, K., Jacobs, S., & Fiez, J.A. (2001). Functionally distinct subdivisions within Broca's area during verbal working memory: Results from a novel method for meta-analysis of neuroimaging studies. Published abstracts of the 31<sup>st</sup> annual meeting of the Society for Neuroscience, San Diego.

Schneider, W. & **Chein, J.** (2001). Using an fMRI task battery to rapidly produce functional markers. Published in special issue of *Neuroimage* for the 7<sup>th</sup> annual Human Brain Mapping conference, Brighton, England.

**Chein, J.** & Schneider, W. (2000). An fMRI investigation of a common learning network: A test with verbal and nonverbal paired associates. Published in the special issue of *Neuroimage* for the 6<sup>th</sup> annual Human Brain Mapping conference, San Antonio.

**Chein, J.M.** & Fiez, J.A. (2000). Differential Effects of Stimulus Manipulation in the N-back and Delayed Serial Recall Working Memory Tasks. Published in the special the issue of *Neuroimage* for the 6<sup>th</sup> annual Human Brain Mapping conference, San Antonio.

**Chein, J.M.** & Fiez, J.A. (1999). An fMRI study characterizing the neural basis of verbal working memory with a delayed serial recall task. Published abstracts of the 29<sup>th</sup> annual meeting of the Society for Neuroscience, Miami Beach.

**Chein, J.M.**, Noll, D.C., Cohen, J.D., Fissell, K., Nystrom, L.E., Sabb, F., & Fiez, J.A. (1998). An fMRI study of verbal working memory: Effects of length, lexicality, and phonological similarity. Published abstracts of the 28<sup>th</sup> annual meeting of the Society for Neuroscience, Los Angeles.

Schneider, W., **Chein, J.**, Smith, T., & Shrager, J. (1998). FMRI of domain general learning. Published abstracts of the 28<sup>th</sup> annual meeting of the Society for Neuroscience, Los Angeles

### **Conference Presentations and Invited Lectures:**

**Chein, J.M.** (2009). Expanding the mind's workspace: Working memory training and its generalization to other cognitive skills. Presidential Symposium address given at the annual meeting of the Eastern Psychological Society, Pittsburgh, PA.

Morrison, A.B., Fitzhugh, S., Shipley, T., Newcombe, N., & **Chein, J.M.** (2009). Spatial training: Converging on mechanism. Presented at the annual meeting of the American Educational Research Association. San Diego, CA.

\*DiSorbo, A., \*Albert, D., \*O'Brien, L., Steinberg, S., & **Chein, J.** (2008). Adolescent risk-taking: Socio-emotional neural system vulnerability to peer influence. Presented at the 38<sup>th</sup> annual meeting of the Society for Neuroscience, Washington, D.C.

\*Morrison, A., Newcombe, N., & **Chein, J.** (2008). Training and transfer effects using a working memory complex span task. Presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago.

\*Fitzhugh, S., Morrison, A., **Chein, J.**, Shipley, T., Newcombe, N. (2008). Training mental rotation: A comparison of training spatial skills and working memory. Presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago.

**Chein, J.M.** (2007). Peer effects on the neural and behavioral markers of adolescent risk-taking. Presented at the 54<sup>th</sup> annual meeting of the American Academy of Child and Adolescent Psychiatry, Boston.

**Chein, J.M.** & Conway, A. (2007). fMRI of complex working memory span tasks. Presented at the 48<sup>th</sup> annual meeting of the Psychonomic Society, Long Beach, CA.

Lenartowicz, A., Detre, G., Polyn, S., **Chein, J.**, et al. (2005). Characterization of brain states during task-switching using a neural network classifier. Poster abstract presented at the 12<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, New York.

Schneider, W., Hill, N., **Chein, J.**, McHugo M., Cole, M. (2004). Systems supporting attention, decision-making, learning, & skilled performance. Presented at the 45<sup>th</sup> annual meeting of the Psychonomic Society, Minneapolis, MN.

**Chein, J.M.** & Fiez, J.A. (2004). Anatomical and temporal dissociations of articulatory suppression, irrelevant speech, and irrelevant non-speech effects in working memory. Poster abstract presented at the 11<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco.

**Chein, J.M.** (2004). Neuroimaging and Prefrontal Function. *Princeton University Imaging Group*.

Schneider, W., **Chein, J.**, & McHugo, M. (2003). CAP3: A Model of Automatic/Controlled Processing in the Brain. Presented at the 44<sup>th</sup> annual meeting of the Psychonomic Society, Vancouver, BC.

**Chein, J.** & Schneider, W. (2003). An fMRI investigation of the role of domain-general cognitive resources in the transition from controlled to automatic processing. Poster abstract presented at the 10<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, New York.

Schneider, W. & **Chein, J.** (2002). Automaticity and Domain-General Learning in Cortical Networks. Presented at the 43<sup>rd</sup> annual meeting of the Psychonomic Society, Kansas City.

Donavos, D.K., **Chein, J.M.**, & Fiez, J.A. (2002). Links between verbal working memory, concurrent articulation effects, and the cerebellum: Converging fMRI and behavioral studies. Poster abstract presented at the 9th annual meeting of the Cognitive Neuroscience Society, San Francisco.

Ravizza, S.M., Becker, J.T., Delgado, M.R., **Chein, J.M.**, & Fiez, J.A. (2002). Contribution of the inferior parietal cortex to verbal working memory. Poster abstract presented at the 10th annual meeting of the Cognitive Neuroscience Society, San Francisco.

**Chein, J.M.** (2001, 2002). Effective fMRI Design. Presentation at the *Pittsburgh Functional Imaging Workshop*. Pittsburgh, PA.

**Chein, J.** & Schneider, W. (2001). Corresponding learning-related changes in brain activity associated with verbal and nonverbal versions of a paired-associate task. Poster abstract presented at the 8th annual meeting of the Cognitive Neuroscience Society, New York.

Wheeler, E.Z., **Chein, J.M.**, Schneider, W. (2001). Functional magnetic resonance imaging of the role of feedback in learning. Poster abstract presented at the 8th annual meeting of the Cognitive Neuroscience Society, New York.

Fiez, J.A., Liu, Y., Derby, L., **Chein, J.**, & Perfetti, C.A. (2001) Exploring domain-specific processes in working memory through manipulation of homophone status in the Chinese language. Poster abstract presented at the 8th annual meeting of the Cognitive Neuroscience Society, New York.

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**Chein, J.M.** (1997). The Interface Between Computer Science and Psychology. Invited lecture at the Southwest China Normal University, Chongqing, China.

### **Popular Media Coverage:**

“Linking Risk-Taking Behavior and Peer Influence in Adolescents” (2008). In *Neuropsychiatry Reviews*, 9,1 (by John Merriman).

“Puberty – If Teenagers Release” (2008). Episode of the television production *Quark and Co.*, produced for WDR German Public Broadcasting Television.

“Monks in the Lab” (2006). Documentary film produced by ARTE France Television in association with the Buddhist Broadcasting Foundation.

### **Teaching Experience:**

2006-present	Foundations in Cognitive Psychology (Temple University, undergraduate)
2006	Topical Seminar on Functional Magnetic Resonance Imaging (Temple University, graduate)
2002	Psychology Research Methods Laboratory (University of Pittsburgh, undergraduate)
2002	Functional & Clinical Neuroanatomy (Chatham College, graduate)

1999-2000      Systems Neuroanatomy (Teaching Fellow, Univ. of Pittsburgh, graduate)  
1998            Introduction to Psychology (Teaching Assistant, University of Pittsburgh,  
undergraduate)  
1996, 1997      Freshman Skills Seminar (Co-instructor, Temple University, undergraduate)

**University & Departmental Service:**

College of Liberal Arts Academic Technology Committee (2008-present)  
Department of Psychology Colloquium Committee (2007-present)  
Department of Psychology Space Committee (2008-present)  
Department of Psychology Cognitive Neuroscience Search Committee (2007)